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ABSTRACT

Curriculum integration and application are important components of educational reform strategies in the 1990s. A sampling of applied and integrated curricula implemented in Wisconsin during the past few years is presented. The study's purpose is to encourage educators to consider new ideas and to foster activities that will help Wisconsin students better relate to their world. It should also enhance communication with those who have developed integrated and applied curricula. "Integrated curricula" refers to efforts to connect academic and vocational/technical competencies. Descriptions of these curricula are divided into the 16 Tech Prep/School-to-Work consortia and are grouped according to high schools within technical college boundaries. The text is further divided by the following three curricular areas: (1) Integrated Curricula; (2) Applied Curricula; and (3) Youth Apprenticeship Curricula. Within each consortium are further divisions grouped by disciplines, such as agriculture, art, and business. A discipline, cross-reference list of integrated curricula is also provided so that teachers can easily find curricula that are integrated with a teacher's specific discipline. The last section lists contact persons at each high school, as well as schools with block scheduling. (RJM)

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ED 419 282

Integrated & Applied Curricula

IN WISCONSIN SECONDARY SCHOOLS

Wisconsin Department of Public Instruction
Wisconsin Technical College System

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EA 029 033

Selected Integrated and Applied Curricula in Wisconsin Secondary Schools

1998

Wisconsin Department of Public Instruction
Madison, WI

In collaboration with

Wisconsin
Technical College System

Madison, WI

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Tech Prep
WISCONSIN

Wisconsin Department of Public Instruction
Wisconsin Technical College System
University of Wisconsin System

January, 1998

Students achieve more when curriculum connections are made for them and when they are asked to apply new knowledge to real world settings. Teachers know this and are creatively leading the effort to move students from the classroom to these real world settings. Our students are learning how math and English and science and art connect, but they also are experiencing how academics translate into the world of business and industry.

Integration and application of curriculum work together. Business and industry have recognized the need to integrate and apply knowledge as these are the primary skills needed in all jobs in today's workplace. They have communicated this need and education is responding. Teachers are forming teams that help one another develop innovative, interdisciplinary projects and integrated academic and vocational curricula.

Selected Integrated and Applied Curricula in Wisconsin Secondary Schools is a sampling of applied and integrated curricula implemented during the past few years. Its purpose is to encourage other educators to consider new ideas and to foster activities that will help Wisconsin students better relate to their present and future worlds. We want educators to communicate with each other by sharing curricula and strategies. The guide was jointly developed by the Wisconsin Technical College System and the Wisconsin Department of Public Instruction based on information supplied to us by school district personnel throughout Wisconsin.

We hope this guide proves to be useful for secondary and post-secondary teachers, directors of curriculum, school counselors, and others involved in the formidable task of developing curricula to prepare Wisconsin youth with the skills they need for the 21st Century.

Sincerely,

John T. Benson

Edward Chin

John T. Benson
State Superintendent
Wisconsin Department of Public Instruction

Edward Chin
State Director
Wisconsin Technical College System

"Academic and vocational integration is a concept which seems to make sense to academic and vocational educators alike. The idea of tying academic skills and concepts to the real world--especially the world of work--seems to be a common sense approach.

Fully integrating academic and vocational concepts and skills within the school curriculum mirrors the reality of the real world. In the adult world beyond school, academic and vocational competencies merge seamlessly. It makes sense, then, to better interconnect the two within the high school curriculum." (Westberry, 1997)

Introduction

Curriculum integration and application are important components of educational reform strategies of the 1990's. Wisconsin educators continue to embrace these concepts and redesign or develop new courses that connect knowledge and skills for students and engage them in their own learning.

As teachers develop integrated and applied curricula, they may begin by seeking information from colleagues who teach similar curricula. This resource guide is designed to help educators communicate with other educators in the state who have developed integrated and applied curricula. The selected integrated and applied course offerings provide examples of curricula developed through Wisconsin's Tech Prep and School-to-Work efforts.

The information for this resource guide was submitted by school districts in June 1997, on the Department of Public Instruction's Annual Tech Prep Report (PI-8101).

Understanding Terminology

Academic and vocational integration, like any major curricular approach, can be done in a variety of ways and to varying degrees. It promotes learning in a manner which reflects the challenges faced by students when they enter the world outside of school. The way in which problems are presented, the situations students will face and the skills needed to solve those problems closely model expected behaviors in the adult world. Students are more secure in learning as a result of being able to see the connection between school activities and their non-school lives. (Westberry, 1997)

For the purposes of this guide, "integrated curricula" refers to connecting academic and vocational/technical competencies. Courses that integrate only academic competencies or only vocational/technical competencies do not meet this definition.

Integrated curricula is planned and organized to enable learners to better connect interrelated concepts, content and processes and seek relationships between past, present and future experiences and learning. Integrated learning creates meaning and relevance to the student's experience of schooling, transforming what is often a disjointed series of courses into a more meaningful education which applies to life outside of school. Integrated learning is also a teaching strategy that more closely matches how people think. In real life, people rarely consider everyday problems in a vacuum. Rather, they consider many sides, confer with various people, and research various options when confronting the problems and challenges that face them.

Collaboration among teachers is essential to integrating curricula. Two or more teachers from different disciplines can work together to coordinate their course instruction, develop materials, link academic and occupational skills, and develop varied instructional strategies. Curriculum integration does not require having two teachers in the room at the same time, although some schools use this model.

Applied curricula reflects teaching strategies that require students to use knowledge and skills in solving real problems. Students experience subject matter in a context that is useful to them because it relates to actual life roles. Some people call this "contextual learning." Applied methods are an integral part of vocational/ technical classes in the high school. Applied courses have high academic and technical standards and are designed to accommodate all students' learning styles. Any course that is currently being taught could be taught in a contextual way. Applied teaching strategies may be reflected in an entire course or in selected units or activities. Some examples of applied activities (National Center on Education and the Economy and the University of Pittsburgh) which may help contextualize learning for students include:

designing a product, service, or system
improving a system
planning and organizing an event or activity
making an oral presentation to a knowledgeable audience
writing a report or proposal
making a multimedia presentation
collecting information to support project work
using on-line services and electronic databases
using software to create documents
learning from models
managing personal resources
evaluating one's own work
working on teams
helping others learn
working with a client

Many school districts use commercially-prepared applied curricula developed by the Center for Occupational Research and Development (CORD) or the Agency for Instructional Technology (AIT) such as Applied Mathematics, Applied Commun-ications, Applied Biology/Chemistry and Principles of Technology. Some educators adopt entire courses such as Applied Mathematics, while others infuse individual modules or units into an existing course.

Local School District Philosophy

Before implementing any of the integrated and applied courses, there are several questions educators may want to ask themselves and their curriculum teams:

- How does this integrated course fit within the total school curriculum?
- What does the district expect all students to know and be able to do when they graduate?
- Will this course allow students to access all postsecondary options, such as technical colleges, military service, 4-year colleges and universities and the world of work?
- Should this class be implemented within the range of curricula currently offered by the school or should this be a new offering?
- Does the rigor of the course hold students to high standards?
- Will multiple means of performance-based assessment be used in this class?

As you rethink your school district's curricula there will undoubtedly be stages through which you move. The end result is a determination of what you believe all students should know and be able to do when they leave your educational setting. This will help you determine the content and context of your total educational program.

Guide Layout

The guide is divided into the 16 Tech Prep/School-to-Work consortia and grouped according to high schools within technical college boundaries. It is further divided by the curricular areas:

Integrated Curricula
Applied Curricula
Youth Apprenticeship Curricula

Within each consortium the guide is divided into disciplines, (i.e. Agriculture, Art, Business, Family and Consumer Education, Health, Language Arts, Marketing, Math, Science, Social Science and Technology Education). A discipline cross-reference list of integrated curricula is also provided so that teachers can easily find curricula which is integrated with their specific discipline.

The guide's last pages list contact persons at each high school. To learn more about the revised, upgraded or new courses within a school district, phone these liaisons. They can provide current information and connect you with the teachers who created and/or are teaching the courses listed.

A listing of schools with block scheduling is included so that readers can learn new ways of implementing curricular change within that structure.

Cooperative education courses (co-op) have not been included in this guide. Educators who are considering development of a co-op should contact the DPI consultant in their vocational area.

For Further Information

The DPI Office of School to Work hopes readers find this resource guide helpful. The information will continue to be updated periodically.

For additional information, please feel free to contact: Connie Colussy, DPI Education Consultant, Tech Prep (608-267-3163) or Gabrielle Banick Wacker, WTCSB Education Consultant, Tech Prep (608-266-1724) or Cindy Thomas, Special Title IIIE Project Staff (608-266-5858).

Reference:

Westberry, Rich. "Integrating Academic and Vocational Education." In *Promising Practices for Connecting Schools with the Real World.* Eds. William E. Blank and Sandra H. Harwell. University of South Florida, Tampa, Florida, 1997.

Integrated Curricula

Discipline Key

AG — Agriculture
AR — Art
BU — Business Education
FC — Family & Consumer Education
FL — Foreign Language
H — Health
LA — Language Arts
MK — Marketing Education
MA — Math
SC — Science
SS — Social Science
TE — Technology Education

Blackhawk

School-to-Work / Tech Prep BTC / CESA #2 Consortium

Language Arts

Business Communication
One semester, team taught class by Business Ed. and English. Designed to improve communication skills. Topics: how to write good memos and organize reports, how to work as a team and function as a member. Job/worksite simulations.
Grades: 11, 12 **X**
Monroe

Medical Terminology
The study of medical vocabulary. The student learns the pronunciation, spelling, definition, and correct usage of medical terms used in a variety of health care settings.
Grades: 12
Beloit: Memorial

Police Science
Introductory course dealing with the process, institutions, and administration of the criminal justice system. An overview and study of the issues of law enforcement, courts, corrections, and the juvenile justice process.
Grades: 12
Beloit: Memorial

Written Communication
Written communication and English skills are integrated with computer skills.
Grades: 11, 12 **X**
Albany

Written Communications
Team taught English and Business Ed. Students' grammar and writing skills are tested. Students use their skills in radio, television, and newspaper. They do persuasive writing and produce advertisements for local businesses.
Grades: 11, 12 **X**
Edgerton

Yearbook
Students experience producing a yearbook from the idea stage through actual production printing. Students learn marketing, advertising, accounting, distribution and customer service.The class highlights the interdependence of English skills.
Grades: 9, 10, 11, 12 **X**
Beloit: Memorial

Yearbook Publication
Students combine the journalism skills of photography, layout, and feature writing with the business skills of sales, advertising, budgeting, public relations, and desktop publishing to produce the high school yearbook.
Grades: 9, 10, 11, 12 **X**
Parkview

X indicates course is cross-referenced with others. See cross reference list.

Math

Integrated Math I & II
A 3 year curricula covering Algebra I and Geometry. Topics: geometry of size, shape, area and polynomials. Problem solving strategies, graphs, and data analysis are used. Deals with transformation, probability, and trigonometry.
Grades: 9, 10, 11, 12 X
Beloit Turner

Science

Applied Biology & Chemistry
The study of plant growth and reproduction, disease and wellness, life processes, natural resources, water, air and other gases, waste and waste management, microorganisms, and community life. Intensive hands on lab class.
Grades: 10, 11, 12 **X**
Beloit: Memorial

Principles of Technology I
The study of energy, forces, motion, and their application in technology and industry. The course is an intensive, hands-on laboratory class designed to provide advanced technical science background.
Grades: 11, 12 **X**
Beloit: Memorial

Principles of Technology II
Students gain the skills necessary to compete in today's high technology job market. Provides a further understanding of principles of mechanical, fluid, electrical, and thermal systems.
Grades: 12
Beloit:

Science & Tech
Students study and gain hands-on experience in scientific techniques that are used in health/biological sciences, agricultural sciences, local industry, food science, and police science.
Grades: 10, 11 **X**
Edgerton

Social Studies

Introduction to Business
Using "Economics at Work" as a resource, students market, produce, and analyze economics-related patterns and profits from cookie sales.
Grades: 9, 10 **X**
Clinton

Technology Education

Principles of Technology
Students gain knowledge of science principles and immediate application through hands-on activities. Students build a foundation in basic principles of technology, including mechanical, fluid, electrical, and thermal power sources.
Grades: 9, 10 **X**
Clinton

Principles of Technology I
Basic concepts of Physics are combined with practice through hands-on activities and mathematical exercises. Students develop a working understanding of key physical principles and their application in understanding today's and tomorrow's technology.
Grades: 10, 11, 12 **X**
Janesville: Craig

Principles of Technology I
Basic concepts of Physics are combined with practice through hands-on activities and mathematical exercises. Students develop a working understanding of key physical principles and their application in understanding today's and tomorrow's technology.
Grades: 10, 11, 12 **X**
Janesville: Parker

Chippewa Valley

School-to-Work * Chippewa Valley

Foreign Language

International Business
Team taught by Business Ed. and Foreign Language. Increases awareness of how students are affected by international business. Students learn the importance of the integration of culture, language, business concepts and knowledge, and economic principles.
Grades: 11, 12 **X**
Eau Claire: Memorial

International Business
Team taught by Business Ed. and Foreign Language. Increases awareness of how students are affected by international business. Students learn the importance of the integration of culture, language, business concepts and knowledge, and economic principles.
Grades: 10, 11, 12 **X**
Eau Claire: North

Language Arts

Applied Communications
Students explore the skills and qualities necessary for employment. Topics include information in the work place, problem solving, communicating with co-workers, and other job related skills.
Grades: 11, 12 **X**
Altoona

Contemporary Language Arts
Class incorporates technical writing and computer use.
Grades: 12
River Falls

Diversified Occupations
Integrates School To Work concepts into a vocational program; provides skills for successful work.
Grades: 11, 12 **X**
River Falls

English 2000
One year. Team taught by English and Business Ed. Includes values and ethics studies through classical literature; writing and creating technical documents; the demonstration of thinking skills through problem solving, decision making, and reasoning.
Grades: 12
Spring Valley

English for the 21st Century
Team taught by Bus Ed. and English. Students compile a portfolio with a professional resume, business correspondence, and essays for job and scholarship applications. Students develop technical writing skills. Formal research paper on a chosen career.
Grades: 12
Eau Claire: North

Humanities 9/10
Students use the Internet to explore the political process through a simulation that requires them to use computers, video, and the live television studio broadcast to explore careers relating to the election process.
Grades: 9, 10 **X**
Colfax

X indicates course is cross-referenced with others. See cross reference list.

Language Arts *(continued)*

Senior English
Team taught by English and Bus Ed. Builds reading, writing, speaking, listening, and critical thinking skills in technological fields. Involves students in professional communication and research.
Grades: 12
Eau Claire: Memorial

Tech Journalism
One semester, team taught introduction to newspaper and broadcast journalism. Activities: printing of the school newspaper featuring articles, columns, editorials, and ads. Focuses on skills related to desktop publishing, photography, and printing.
Grades: 9, 10, 11, 12 **X**
Plum City

Technical Journalism
One year course integrating English and Graphic Arts. Students learn how to gather, write, and publish stories for the school newspaper using electronic media.
Grades: 11, 12 **X**
Mondovi

Writing for the Media
Student develop ability in writing material suitable for publication. They write articles, stories, biographical sketches. They learn the publishing process using computers, and desktop publishing.
Grades: 10, 11, 12 **X**
Altoona

Math

Applied Physics/Principles of Technology
A hands-on technically-based course in Science and Technology, covering aspects of mechanical, fluid, electrical, and thermal systems. Math and science principles are applied to today's high technology.
Grades: 11, 12 **X**
Eau Claire: Memorial

Computer Aided Drafting
One semester, independent study. Computer used in developing mechanical and architectural drawings.
Grades: 12
Plum City

Integrates Mathematics Program
This is a 4-year program that integrates algebra, geometry, trigonometry, and pre-calculus. In 1996-97, it incorporated social studies, language arts, science and technology into the teaching of mathematics.
Grades: 9, 10 **X**
Colfax

Principles of Technology
Adopted state recommended content.
Grades: 9, 10 **X**
Menomonie

Science

Agricultural Science
Students may participate in a Water Quality Analysis of a local trout stream. This is a fall/spring field study of the Duncan Creek Watershed in cooperation with Chippewa County and the DNR.
Grades: 9, 10, 11, 12 **X**
Chippewa Falls

Applied Physical Science/Technology
Provides students the opportunity to review the scientific method, improve problem solving, and develop lab skills through the use of current technologies.
Grades: 9, 10, 11, 12 **X**
Cadott

Science *(continued)*

Food Science
One semester, team taught by Agriscience and Science and 2nd semester F/CE and Science. Students understand the chemical and biological principles of food. Hands-on lab experiences and discussions, students examine production, processing and prep.
Grades: 11, 12 **X**
Eau Claire: Memorial

Principles of Engineering
Team taught with a Science or Math instructor. Integrates math, science, and technology knowledge with the problem solving process through the use of case studies. Introduces students to concepts, principles, skills, and ethics in engineering.
Grades: 11, 12 **X**
Eau Claire: Memorial

Aqua-Culture
One semester team taught course on fish raising and farming.
Grades: 9, 10, 11, 12 **X**
Thorp

Biotech
Provides a hands-on approach to genetic engineering, gene splicing, DNA fingerprinting, cloning, cell cultures, and transformation. Also, the course covers specific applications of biotechnology and job opportunities in this fascinating field.
Grades: 11, 12 **X**
Eau Claire: Memorial

Principles of Technology
Students learn physical science by applying principles through hands-on experiments. Team taught by Tech Ed and Science.
Grades: 11, 12 **X**
Eau Claire: North

Biotech
Provides a hands-on approach to genetic engineering, gene splicing, DNA fingerprinting, cloning, cell cultures, and transformation. Also, the course covers specific applications of biotechnology and job opportunities in this fascinating field.
Grades: 11, 12 **X**
Eau Claire: North

Biotechnology
Concepts include: application of biology and agriculture through biotechnological processes and apparatus.
Grades: 11, 12 **X**
River Falls

Communication Arts
The use of technology and study of energy conservation were embedded in teaching Language Arts. Students design energy efficient housing after completing research using the Internet as well as more traditional methods.
Grades: 9, 10 **X**
Colfax

Food Science
Integrates Science, Agriscience/Natural Resources, and Family and Consumer Science Education. Students analyze food from 3 different scientific perspectives and explore the exciting career opportunities in the food science fields.
Grades: 11, 12 **X**
Eau Claire: North

Social Studies

Independent Living
Offered jointly by Business Ed., F/CE, and Social Studies in 6-week rotations. Topics include getting a job, deciding where to live, managing money, and future planning. Learning how to weigh alternatives, make good choices and decisions is practiced in this class.
Grades: 11, 12 **X**
Eau Claire: Memorial

Technology Education

Principles of Engineering
Team taught with Science, Math, and Tech Ed. For students pursuing a career in engineering. Problems are of the type they will be solving on the job. Students implement acquired Math and Science skills.
Grades:
Eau Claire: Memorial

Fox Valley

Fox Valley School-to-Work / Tech Prep Consortium

Language Arts

Applied Communication
Integration of Language Arts and vocational curriculum using applied learning and activities. Uses Communication 2000 curriculum.
Grades: 12
Little Chute

Applied Communications
Team taught using Communications 2000.
Grades: 11, 12 **X**
Menasha

Business English
Grades: 11, 12 **X**
Kaukauna

Graphic Communication Processes
Students explore process of communications using various techniques. Message analysis and design plus applications such as computer related programs.
Grades: 10, 11, 12 **X**
Seymour

Journalism
One year course in which students publish a monthly school newspaper, a school calendar, and print a "Families in Education" newsletter. Students write articles, plan the publication layout, and perform and set up the actual printing.
Grades: 11, 12 **X**
Little Wolf

Tech Composition Computer Applications
Composition and technical report writing are applied to business.
Grades: 12
Appleton: West

Tech Composition Computer Applications
Composition and technical writing of reports as applied to business.
Grades: 12
Appleton: West

Tech Composition Computer Applications
Composition and technical writing of reports, etc. as applied to business.
Grades: 12
Appleton: East

Tech Prep Mini Grant from FVTC
A water usage and conservation unit developed jointly and taught as a thematic unit.
Grades: 9
Brillion

Technical Communications
Business and technical communications team teach.
Grades: 11, 12 **X**
Kimberly

Workplace Readiness and Job Co-op
Students develop workplace readiness skills while working in co-op placement. Students relate job experiences to course activities by learning to adapt and change. 1/2 credit or 1 credit.
Grades: 12
Seymour

X indicates course is cross-referenced with others. See cross reference list.

Math

Math Manufacturing and Marketing
Students design, build, and market finished products.
Grades: 11, 12 **X**
Stockbridge

Applied Math I & II
Integration of Math and Science with real life experiences. Uses CORD curriculum.
Grades: 9, 10 **X**
Little Chute

Exploring Technology
A modular course designed to bring together Science, Math, and Tech Ed.
Grades: 10, 11, 12 **X**
Kimberly

Math Applications
Team taught course covering simple arithmetic, calculator use, problem solving techniques, plane geometry and 3 dimensional shapes, working with scale drawings, ratio and proportion, measurement technique, and an intro to algebra using simple functions.
Grades: 9, 10, 11, 12 **X**
Shiocton

Tech Math for the Future
Grades: 11
Appleton: East

Tech Math for the Future
Grades: 11
Appleton: North

Tech Math for the Future
Grades: 11
Appleton: West

Science

Comp Integrated Physics
Science is integrated with Tech Ed. department.
Grades: 11, 12 **X**
Appleton: West

Comp Integrated Physics
Science integrated with Tech Ed. department.
Grades: 11, 12 **X**
Appleton: North

Comp Integrated Physics
Science integrated with Tech Ed. department.
Grades: 11, 12 **X**
Appleton: East

Ecology
Project-based curriculum with students designing their own year-long project. Areas of study incorporate our world and its environment and problems.
Grades: 11, 12 **X**
Hilbert

Principles of Physics
Uses CORD materials.
Grades: 10, 11, 12 **X**
Winneconne

Principles of Technology
Grades: 10, 11, 12 **X**
Kaukauna

Science and Technology
One semester, 2 period block. Science and Tech Ed. apply Biology and Chemistry in three types of learning activities: hands-on labs, text-based activities and video-assisted activities.
Grades: 10, 11, 12 **X**
Wautoma

Science/Technology
Team taught course. Students work on applied science projects relating to transportation, energy, power, manufacturing, and construction. Students explore various technology related modules.
Grades: 11, 12 **X**
Seymour

Social Studies

Free Enterprise
Students form a corporation and design products which are mass produced and sold to the public. Students are involved in all aspects of the business venture including product planning, production, testing, marketing, and distribution.
Grades: 9, 10, 11, 12 **X**
Stockbridge

Social Studies 9 Foods
Foods and customs are presented to the 9th grade Social Studies classes by the Foods class.
Grades: 9
Wild Rose

Social Studies Tech
Team taught between Technology Ed. and Social Studies.
Grades: 11, 12 **X**
Marion

Gateway School-to-Work Consortium

Foreign Language

International Business
Team taught with a Business and German teacher. The course explores a self-developed International Business theme.
Grades: 11, 12 **X**
Racine: Park

Language Arts

Integrated English 10th Grade Computer Literacy
A computer literacy support program. English projects and curriculum are worked on in both courses at the same time.
Grades: 10
Racine: Park

Integrated English 9th Grade Computer Literacy
Computer literacy support program. Students use computer strategies to enhance English projects and curriculum.
Grades: 9
Racine: Park

Integrated Studies Program
Includes English, Math, Science, World Civilizations, Study Skills, and Reading.
Grades: 9
Delavan-Darien

Journalism Techniques
Introduction and practice in the production aspects of newspapers, beginning with copy editing and finishing the printing process. Discussion of various ethical and journalistic questions editors have to face are investigated. School newspaper produced.
Grades: 10, 11, 12 **X**
Union Grove

Journalistic Writing
Provides an opportunity to practice concise, accurate, and objective style traditional to the newspaper, with discussion of the legal responsibilities and obligations of the journalistic writer in reporting news. Production of school newspaper.
Grades: 10, 11, 12 **X**
Union Grove

Senior English & Auto Tech II
A project-based course containing a blend of thinking, reading, speaking and writing as well as field work. Tasks are primarily related to the automotive field. Study of technical writing and workplace communication.
Grades: 12
Whitewater

Senior Studies
Social Studies, Language Arts, and Family/Consumer Education topics are integrated. Real-world applications such as resume writing and interviewing are emphasized.
Grades: 12
Lake Geneva: Badger

X indicates course is cross-referenced with others. See cross reference list.

Language Arts *(continued)*

Technology I
Introduces students to futuristic technology. 10 days spent in each of seventeen learning modules. Topics: robotics, small gas engines, desktop publishing, basic drafting, CAD, materials/processing. Students learn with a partner in the Tech Center.
Grades: 9, 10, 11, 12 **X**
Big Foot

Technology II
Taught in the Tech Center. Students spend 15 days in each of the twelve learning modules. Topics: telecommunications, plastics, computer animation, digital photography, desktop publishing, and CNC milling.
Grades: 10, 11, 12 **X**
Big Foot

Technology III
An office-like learning environment. Focuses on 6 modules. 2nd semester, students form small corporations. A product is created, researched, developed, protyped, produced, advertised, and marketed.
Grades: 11, 12 **X**
Big Foot

Technology IV
An integrative, hands-on course showing students the important concepts of engineering while having them work on real life case studies. Major products include building emergency shelters, wind farms, solar cars, and an ergonomically sound chair.
Grades: 12
Big Foot

Television Production
Students experience technical and performance aspects of television production. Students write, script, produce, and direct productions such as interviews, demonstrations, news, and shows.
Grades: 10, 11, 12 **X**
Racine: Park

Math

Basic Math/Math Conn.
Designed jointly with local engineers to incorporate more probability & statistics concepts.
Grades: 9, 10, 11, 12 **X**
Delavan-Darien

Tech Prep Math
Students learn technical skills required by the contemporary workplace. Students have a wide variety of opportunities to apply math to real-world activities. Topics include estimation, charts, graphs, applied geometry, trig, statistics, and calculators.
Grades: 11, 12 **X**
Racine: Park

Science

Agriscience-Plants, Animals, and You
Explores all facets of the vast agriculture industry. Covers horticulture biotechnology, ground water, animal science, conservation, and food science. Students plan their own supervised Agriculture Experience Program. Greenhouse and apple orchard.
Grades: 9, 10, 11, 12 **X**
Big Foot

Biotechnology
Students gain an understanding of genetic engineering, animal and plant tissue cultures, electrophoresis, related biotechnology careers and biotechnology's relationship to bacteria and the environment. Embryo transfer techniques used to carrot calluses.
Grades: 10, 11, 12 **X**
Big Foot

Chemistry in the Community
Lab oriented, issues-based chemistry class that introduces chemical principles to technology, society, and the students' personal lives. This course covers topics such as water, chemical resources, food, air, petroleum, and health.
Grades: 11, 12 **X**
Racine: Park

Forestry and Wildlife
Identification, harvesting procedures, and proper management of trees are topics covered. Students are in charge of the care and development of the apple orchard. Wildlife habitats, management techniques, and introductory taxidermy are focused upon.
Grades: 9, 10, 11, 12 **X**
Big Foot

Principles of Technology
Topics covered during the first term include: force, work, rate, and resistance energy. Second term topics include: energy, power, and force transformers. Stresses practical application of the concepts learned through demonstration and lab practice.
Grades: 11, 12 **X**
Union Grove

Science Technology
Team taught by Science and Tech Ed departments. A lab-oriented course in which students study computer technology, fluids, electrical, and thermal principles. Technicians will be able to transfer their knowledge to real world applications.
Grades: 10, 11, 12 **X**
Kenosha: Tremper

Social Studies

Economics/Entrepreneurship
One semester, team taught. Students gain an understanding of economics and entrepreneurship through self-directed computer software. They establish a business and sell a product. Activities: Career speakers and field trips
Grades: 11
East Troy

Global Studies I
A cultural geography course emphasizing problem solving and student centered learning. Students use five basic themes and mapping skills together with data gathering skills on a variety of hands-on cultural experiences and research projects.
Grades: 10
Union Grove

Global Studies II
Combines the use of geography skills and concepts with skills and concepts from other disciplines as students study the remaining regions of the world. Map analysis, interpretation, speaking, and listening skills are emphasized.
Grades: 10
Union Grove

Technology Education

Graphics II
One semester, team taught. Students gain an understanding of graphic layout, design, computer software (Quark, Pagemaker), and printing. Students have opportunities for work experience, career field trips, and workshops.
Grades: 10, 11, 12 **X**
East Troy

Principles of Technology
Applied Algebra lab combining Science with Technology. Extensive labs cover the topics of force, work, rate, resistance, energy, power, and force. Technology is explored through a mix of basic principles and practical applications.
Grades: 11, 12 **X**
Racine: Park

Lakeshore

Lakeshore Area School-to-Work Consortium

Family & Consumer Education

Health Care Careers
One semester survey course explores opportunities for education and employment in the health field. Includes a Family and Consumer Ed teacher. Activities include job shadowing, guest speakers, and field trips.
Grades: 9, 10, 11, 12 **X**
Sheboygan: South

Foreign Language

International Business
Students examine the integration of language, culture, and business principles. Students analyze the existing relationship between international and American businesses. Interpersonal and technological skills are enhanced through communication.
Grades: 10, 11, 12 **X**
Manitowoc: Lincoln

Language Arts

Career Communications I/II
Offers world of work assignments and experiences. Career exploration, speakers and field trips to area businesses and schools are offered. Students discover and develop their special career strengths and develop portfolios.
Grades: 11, 12 **X**
Manitowoc: Lincoln

Technical Reading & Writing
One semester course focusing on learning to understand technical manuals and writing in the business world. Uses materials from Tech Ed to show the need for these skills.
Grades: 11, 12 **X**
Mishicot

Applied Communications/ Automotive Technology
Employment and communication skills taught using materials for those highly interested in auto technology.
Grades: 12
Plymouth

Creative Writing
Team taught course in which students write creative pieces, select their best work, and use it as a basis to produce a literary magazine in which they input data, lay out pages, and print the document. Tech Ed. aids in layout and printing.
Grades: 11, 12 **X**
Reedsville

X indicates course is cross-referenced with others. See cross reference list.

Language Arts *(continued)*

Multi-Media Communications I/II
Introduction to computers, photography, audio, video, and graphics equipment. The class integrates Art, Industrial Technology, and Communication Arts through the use of modern technologies. Advanced studies in audio and/or video production.
Grades: 10, 11, 12 **X**
Manitowoc: Lincoln

Team
One year course taught in a 4-period block. Integrates concepts within and across disciplines, i.e. history unit on the Revolution would have fungus, molds related to war injuries from Biology, communicable diseases via health.
Grades: 9
Sheboygan Falls

Math

Geometry & Applied Tech
Application of geometric theory to construction.
Grades: 11, 12 **X**
Mishicot

Science

Biotechnology
One year. Topics include: water, gases, genetics, natural resources, plant physiology, and microbiology. Students are taught primarily through hands-on lab and classroom activities.
Grades: 11, 12 **X**
Valders

Principles of Technology
Course provides a blend of real-world science and technology as it is practiced in the workplace.
Grades: 12
Sheboygan: South

Technology Futures I & II
Students rotate through a series of lab stations such as robotics and lasers. Students also take on a class project such as designing and building a remote control airplane, and then flying it.
Grades: 9, 10, 11, 12 **X**
Cedar Grove-Belgium

Social Studies

ESL VESL I & II
Vocational English as a Second Language addresses the following: career assessment, skills and interest inventories, career exploration, career decision-making. Units: job-seeking, interview skills, work expectations, and multicultural communication.
Grades: 9, 10, 11, 12 **X**
Sheboygan: South

Technology Education

Principles of Technology
Uses modular technology work stations to introduce and apply the concepts of Physics.
Grades: 11, 12 **X**
Sheboygan Falls

MATC-Madison

Madison Area Technical College Tech Prep / School-to Work Consortium

Language Arts

Applied Communications
Emphasizes writing and speaking situations as well as listening skills. Interviews of people from the community and MATC who work in a student's chosen field are required.
Grades: 10, 11, 12 **X**
Portage

Applied English
English and Tech Ed departments team teach. Students gain communication skills by speaking, writing, and video production. The final project is a video with a student written script. Group production that promotes a product or local industry is included.
Grades: 12
Reedsburg: Webb

Audio and Video Production
Team taught by English and Tech Ed. Provides instruction in radio and video production using available electronic equipment. Applications include the planning, writing, taping, and editing of broadcast products targeted for a specific audience.
Grades: 11, 12 **X**
Stoughton

Communication Arts
Integrates English with technological skills. Students refine communication skills such as writing, speaking, and listening as they apply to the workplace.
Grades: 11, 12 **X**
Monona Grove

Communications in the Workplace
Focuses on speaking, listening, reading, and writing strategies required on the job. Self-management, teamwork, and problem solving are included.
Grades: 12
Portage

Consumer English
Team taught by English and Bus Ed. Students apply reading, writing, speaking, and listening skills to everyday experiences. Units include: group dynamics leadership, personal correspondence, working with a data base and career portfolio work.
Grades: 11, 12 **X**
Stoughton

English for Business
One semester. Students apply essay writing skills to business communications such as letters, memos and technical reports. Students learn to use concise writing in business communications and essays. Use of e-mail and internet. Research a business.
Grades: 11, 12 **X**
Waunakee

Food Service
Students apply core curriculum to vocational studies.
Grades: 9, 10, 11, 12 **X**
Wonewoc

Information Age Composition
Activities include exercises in business etiquette, grammar, development of leadership skills, writing a research paper, and incorporating technology skills. Students apply research and problem solving skills in the production of a resume & press release.
Grades: 11, 12 **X**
McFarland

Multi-Cultural Literature
Multi-cultural issues are discussed. English provides the means for communication and research of issues.
Grades: 11, 12 **X**
Oregon

X indicates course is cross-referenced with others. See cross reference list.

Language Arts *(continued)*

Technology Center
A 28 center station that provides students exposure and advanced learning in our Technology Center. We have all curricular areas of the school represented here.
Grades: 10, 11, 12 **X**
Madison: East

Video Journalism
Combines Journalism with Video Communications.
Grades: 11, 12 **X**
Cambridge

Vocational English/TV Production
Television production is the study of telecommunications systems. Students write scripts, do dubbing, editing, insertion of titles, insertion of computer graphics, and work with the school/community for video production of cable television.
Grades: 12
Lake Mills

Math

Cartography and Navigation
Course integrates geography, astronomy, math, science, and technological education. Students get hands-on experience in developing maps, charts, and instruments.
Grades: 11, 12 **X**
Mount Horeb

Educated Consumer I
One semester, team taught course. Helps students use math skills to become better consumers. Issues include moral and legal rights of the consumer, advertising, statistics, decision making, checking accounts, and money management techniques.
Grades: 11, 12 **X**
Verona

Educated Consumer II
One semester, team taught course that focuses on issues of young people as consumers and the math used to be an informed consumer. Topics examined: credit, insurance, loans, budgeting, costs of acquiring and maintaining a home, and taxes.
Grades: 11, 12 **X**
Verona

Applied Math I
Students are introduced to real world math applications in all vocational areas.
Grades: 9, 10 **X**
Wonewoc

Applied Math I/II
Team taught in a Tech Ed. classroom. CORD materials serve as the class structure. All units are hands-on, activity oriented, and math concept-based.
Grades: 10, 11, 12 **X**
Reedsburg: Webb

Applied Math II
Students use real world math applications in all vocational areas.
Grades: 11, 12 **X**
Wonewoc

Biotechnology
Team taught by Agriculture and Science to show the integration and application of Biology and Agri-Science.
Grades: 11, 12 **X**
New Glarus

Hole in One Mini Golf Course
An integrated geometry, drafting, and woodworking activity demonstrating the relationship between math, CAD, and light building construction. A miniature golf course project.
Grades: 9, 10, 11, 12 **X**
Wisconsin Heights

Math Applications
Provides preparation for life as a citizen and the training for a productive occupation.
Grades: 11, 12 **X**
Monona Grove

Math *(continued)*

Principles of Engineering
Applies Math, Science, and Physics through case studies, engineering projects, and computer application.
Grades: 10, 11, 12 **X**
Madison: West

Principles of Engineering
Students learn the process used in defining and solving problems. Using data acquisition, mathematics, science and technological skills, students design solutions to real life problems.
Grades: 11, 12 **X**
McFarland

Principles of Engineering
Teaches problem solving using the skills and knowledge learned in Math, Science, and Tech Ed classes. In this class, theory is put into hands-on applied problem solving.
Grades: 11, 12 **X**
Oregon

Science

Computer Integrated Physics
Examination of Physics concepts in the everyday world. Computer-based lab experiments provide students with practical examples of scientific concepts.
Grades: 10, 11, 12 **X**
Portage

Ag. Biology
Biology course taught with an Ag. emphasis. The teacher uses applied teaching strategies and skills.
Grades: 9
Reedsburg: Webb

Applied Biology/Chemistry
Biology and Chemistry concepts found in Agriculture are applied to help students transfer this knowledge to real world situations.
Grades: 10, 11, 12 **X**
Portage

Applied Science/Foods Emphasis
Students examine food production, processing, consumption and analysis using principles of organic chemistry and biochemistry. Hands-on lab and discussion. Students see the relationship between science and its practice to food industry.
Grades: 11, 12 **X**
Westfield

Bio-Technology
Application of science theory to solve problems occurring in agriculture.
Grades: 10, 11, 12 **X**
Oregon

Bio-Tech
Involves advanced science concepts and their application in the rapidly evolving bio-tech field.
Grades: 10, 11, 12 **X**
Marshall

Bio-Tech
Grades: 11, 12 **X**
Montello

Bio-Technology
Students gain: awareness of career opportunities and applications of biotechnology techniques to health care, agriculture, industry, and natural resources.
Grades: 10, 11 **X**
Monona Grove

Bio-Technology
One semester. Students explore research developments and conduct lab experiments involving tissue culturing, gene splicing, and genetic engineering. Discussion of current and potential impacts of bio-tech on animal and plant life and food production.
Grades: 11, 12 **X**
Verona

Biotechnology
Students explore new research developments and conduct their own lab experiments involving tissue culturing, gene splicing, and genetic engineering. Students discuss the current and potential impact of biotech on animal and plant life.
Grades: 12
Belleville

Biotechnology
Designed to prepare students for entry level employment and/or post-secondary education in biotech or related sciences.
Grades: 11, 12 **X**
Madison: East

Biotechnology
Students apply biological and chemical technology to improve agriculture and human/animal health. Students learn the role and responsibility of biotechnology toward the preservation of our natural resources.
Grades: 11, 12 **X**
Madison: LaFollette

Biotechnology
Preparation for entry level employment. Instructional approach aimed at genetics, genetic engineering and the use of biological systems.
Grades:
Madison: Memorial

Biotechnology
Designed for students interested in the fundamentals of molecular biology and genetics with applications in food, agriculture, and medicine.
Grades: 11, 12 **X**
Madison: West

Biotechnology
Students learn the principles of genetic engineering. Topics: gene splicing, cloning, recombinant DNA techniques and how they affect health, agriculture, and ethical issues in our society. Electrophoresis equipment and other instrumentation is used.
Grades: 11, 12 **X**
McFarland

Biotechnology
A CORD curriculum with hands-on active labs. Students study biotechnology applications used everyday in agriculture, industry, and medicine through the use of basic lab procedures and projects.
Grades: 10, 11, 12 **X**
Portage

Biotechnology
Team taught by Science/Ag. Lab activities teach biotechnology skills and include moral and ethical discussions of biotechnology applications. Specific career opportunities are discussed, and tours of biotechnology companies are included.
Grades: 11, 12 **X**
Stoughton

Biotechnology, Advanced Biology, Advanced Agriculture
Team taught by Science and Agriculture with emphasis on applied scientific techniques.
Grades: 11, 12 **X**
Mount Horeb

Biotechnology/Medical Applications
Includes basic concepts and techniques necessary for entry-level employment and/or a two-year or four-year college program. Topics include microbiology techniques, DNA extraction, analysis, and manipulation. Includes career guidance and awareness.
Grades: 11, 12 **X**
Fort Atkinson

Science *(continued)*

Food Science
One semester, curriculum developed by Science and F/CE. Applied Science concepts in food prep, processing, and nutrition.
Grades: 9, 10, 11, 12 **X**
Cambria Friesland

Food Science
Involves the integration and application of science, nutrition, and food processing concepts.
Grades: 10, 11, 12 **X**
Marshall

Introduction to Health Occupations
Bacteria and microorganism units.
Grades: 9, 10, 11, 12 **X**
Cambridge

Introduction to Health Occupations
Medical terminology, careers, places of employment, health maintenance skills, decision making, infection and disease control, body systems, medical ethics, and legal issues are covered. Basic health care skills are practiced.
Grades: 9, 10, 11, 12 **X**
Jefferson

Materials Science
Involves designing, choosing, testing and using materials such as metals, plastics, and woods. Students apply science and technology skills through hands-on activities.
Grades: 10, 11, 12 **X**
Madison: West

Physical Science and Technology
Topics include: measurement, lab techniques, use of equipment, lab and workplace safety, science tech and society, machine forces and mechanics, chemical reactions, material science, food science, principles of tech, and consumer Chemistry.
Grades: 9
Baraboo

Principles of Engineering
Hands-on lab-based set of case studies which conveys concepts and principles, skills, techniques, and attitudes such as modeling, systems, optimization, and design.
Grades: 11, 12 **X**
Marshall

Principles of Technology
Developed for the modern technician and technologist. Provides employable skills and technical concepts using current equipment and technologies.
Grades: 11, 12 **X**
Monona Grove

Social Studies

Business Enterprise
One semester, team taught course. Students study profit/loss, business operations, interviewing, hiring and firing, designing and producing a product along with marketing and sales of a product.
Grades: 11, 12 **X**
Reedsburg: Webb

Leadership for the Future
Team taught by Ag and Social Studies. Students learn the key to leadership in their personal lives, society, and the political and economic systems of the world. Provides a hands-on approach to planning. Class focus is on individual opportunity.
Grades: 11, 12 **X**
Stoughton

Social Studies *(continued)*

Marketing/US History
Business skills are taught such as checkbook management, renting apartments, purchasing automobiles, and financial budgeting. In Marketing class students also learn about investing, management and entrepreneurship.
Grades: 11
Waunakee

Technology Education

Principles of Technology
Team taught. Designed to further the understanding of the physical principles underlying modern technology. Uses the four energy systems: mechanical, fluid, electrical, and thermal. Problem solving stressed.
Grades: 10, 11, 12 **X**
DeForest

Principles of Technology
Uses CORD curriculum
Grades: 11, 12 **X**
Poynette

Mid-Wisconsin School-to-Work Partnership

Business Education

International Business
Designed to include cultural diversity, business concepts, traveling, and international communication.
Grades: 11, 12 **X**
Marshfield

Family & Consumer Education

Restaurant Entrepreneurship
Students establish a business plan and set up a restaurant using a theme decor. Food is prepared by students in Food and Hospitality Management classes while marketing is done by Entrepreneurship students.
Grades: 10, 11, 12 **X**
Marshfield

Language Arts

English 2001
A team taught course combining English and computers. Uses second year of CORD Applied Communications.
Grades: 11
Pittsville

Transitional English
English and Technology Education work closely to cover the course's objectives. The focus includes writing & speaking improvement, word processing and understanding literature related to the world of work.
Grades: 12
Auburndale

Business Communications
Develops writing, speaking, listening, and other human relations skills. Course material was developed jointly by Business Ed. and English.
Grades: 11, 12 **X**
Adams-Friendship

Business Communications
A speaking and writing course designed to give students the opportunity to learn appropriate use of English in a business setting. Students are required to give written and oral presentations.
Grades: 9, 10, 11, 12 **X**
Granton

Business Communications
Team taught by Business Ed. and Communication Arts. Emphasis on oral communication skills and portfolio development.
Grades: 10, 11, 12 **X**
Marshfield

Language Arts *(continued)*

Communication Theory
English and Business Ed. team teach. Skills emphasized: reading, writing, speaking, and listening, interpersonal and professional skills. Units on communication with supervisors/co-workers and participation in group activities.
Grades: 10, 11, 12 **X**
Stevens Point Area

Computer English
Computer English improves a student's ability to relate academic course work and skills to the real world by combining the efforts of English and Business Ed. Listening, speaking, reading, and writing are integrated.
Grades: 9
Stevens Point Area

English 2002
Team taught communications class. CORD materials used for curriculum.
Grades: 12
Pittsville

Intro to Careers/Keyboarding
Students gain an understanding of the importance of the integration of business as it relates to all career areas.
Grades: 10
Nekoosa

Intro to Communications
Students experience hands-on learning in the field of communications, photography, computer-aided design, desktop publishing, radio and television transmission, video productions, mechanical drafting, and graphic design.
Grades: 9, 10, 11, 12 **X**
Granton

Senior English
One year course in which students gain an understanding of how English skills and business skills are integrated. This language arts and business techniques course culminates with a job interview.
Grades: 12
Nekoosa

Technical Writing
Team taught by Tech Ed. and Communication Arts. Reinforces the skills of drafting, editing, and refining written communication skills.
Grades: 10, 11, 12 **X**
Marshfield

Written Communication
Students research, write, and create articles, newsletters, pamphlets, and reports for promoting a service business using the writing process techniques and computer graphics.
Grades: 11, 12 **X**
Stevens Point Area

Math

Applied Math
Vocational and Science courses are infused with needed Math concepts.
Grades: 11, 12 **X**
Almond

Consumer Math
One year course in which students gain an understanding of the importance of the integration of math and business concepts.
Grades: 9, 10, 11, 12 **X**
Nekoosa

General Math
One year course in which students gain an understanding of the importance of the integration of math and business concepts.
Grades: 9, 10, 11, 12 **X**
Nekoosa

Retail Math
Students become acquainted with the field of retailing, small and large store operations, control and organization, creative selling techniques, and merchandise planning.
Grades: 11, 12 **X**
Auburndale

Science

Agri-Science
Emphasizes applied science techniques, a "hands-on" approach. Students are challenged in the areas of mechanics, animal science, resource management, plant science, chemistry, physics, and technology. Career opportunities are explored. Two hour block
Grades: 9
Stevens Point Area

Agriculture/Biology
Partnership between Biology and Agri-technology. Students study topics such as genetics, molecular biology, life processes, fermentation, animal behavior and natural resources. Methodology: lab work, lectures, group discussions, and student projects.
Grades: 10, 11, 12 **X**
Stevens Point Area

Applied Bio-Chem
Biology and chemistry combined with food science and agriculture in integrated projects.
Grades: 11, 12 **X**
Pittsville

Applied Biology
Team taught course with emphasis on biological concepts, especially as they relate to health and F/CE careers.
Grades: 9, 10, 11, 12 **X**
Almond

Basic Biology
One year, team taught course in which students gain an understanding of the importance of the integration of science in all areas of life.
Grades: 9, 10, 11 **X**
Nekoosa

Biology/Horticulture
A Plant Science course team taught by Agriculture and Biology instructors using house plants grown for sale in the laboratory.
Grades: 10
Adams-Friendship

Biotechnology/Environmental Issues
Students develop a working knowledge of applied Science of Genetic Engineering and Molecular Biology. For students pursuing a career in the technical science area.
Grades: 11, 12 **X**
Auburndale

Foods/Biology
Investigation of the body's requirements for food, energy, and nutrients. Study of the body's organs and functions relating to nutrition, health, and fitness. Plant and animal production of food, its safety, structure and preservation are included.
Grades: 10, 11, 12 **X**
Stevens Point Area

Horticulture
Uses scientific applications of environmental issues in regard to soils, water, wildlife, and forestry. The concepts of biology, chemistry, and communications are all integrated.
Grades: 11, 12 **X**
Auburndale

Parenting
Biology and Psychology are integrated as students prepare for careers in child care, police work, and education.
Grades: 10, 11, 12 **X**
Auburndale

Principles of Technology
Team taught by Physics and Tech Ed. Emphasizes the application of math associated with both disciplines.
Grades: 10, 11, 12 **X**
Marshfield

Pre-Vet/Animal Science
A scientific approach to animal agriculture and research is used. Topics include animal behavior, rumination, animal physiology, animal rights, genetics and biotechnology.
Grades: 10, 11, 12 **X**
Auburndale

Science *(continued)*

Vet Science

Includes units on the world of work and agribusiness careers. Other topics covered include safety practices, biotechnology, genetics, new technologies in agriculture, animal reproduction, vet science, and animal health.
Grades: 11, 12 **X**
Granton

Technology Education

Principles of Technology

Details the physical principles underlying modern technology.
Grades: 10, 11, 12 **X**
Adams-Friendship

MATC-Milwaukee

Milwaukee Area Technical College / K-12 School District Consortium

Business Education

Business and Finance
A career cluster where students develop skills in: banking and finance, accounting, computer technology - software management, insurance, advertising, wholesaling, retailing and international trade. Bank or internship employment possible.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Rufus King

Foreign Language

Choir
Performance oriented choirs. Study of history, music theory, foreign languages, and art.
Grades: 9, 10, 11, 12 **X**
Greendale

Gourmet Foods
Involves a study of the culture, cuisine, and economics of a country. Students do interviews and use the Internet and library resources. Planning for a luncheon includes research of menus, currency, music, eating habits, and marketing techniques.
Grades: 10, 11, 12 **X**
South Milwaukee

International Business
Students gain an understanding of the importance of the integration of cultures, language, business concepts, knowledge and international communications. Increases awareness of how students are affected by international business.
Grades: 11, 12 **X**
West Allis: Central

International Business
Students gain an understanding of the importance of the integration of cultures, language, business concepts, knowledge and international communications. Increases awareness of how students are affected by international business.
Grades: 11, 12 **X**
West Allis: Hale

International Business Links
Integrates Business Ed. and Foreign Language. The school-based experiences combine to give an opportunity to use foreign language skills in an international business setting.
Grades: 11, 12 **X**
West Allis: Central

International Business Links
Integrates Business Ed and Foreign Language. The school-based experiences combine to give an opportunity to use foreign language skills in an international business setting.
Grades: 11, 12 **X**
West Allis: Hale

International Work Links
One semester. Integrates Foreign Language and Business Ed. School based and work based instruction. Intern placements in international businesses.
Grades: 12
Wauwatosa: West

Language Arts

School-to-Work Integrated Studies
STW family of four basic academics (English 9, Algebra 9, Integrated Science 9, and Citizenship 9) using integrated studies approach together with Trade and Tech survey of Auto Tech 9 course.
Grades: 9
Milwaukee: Pulaski

Business English (Grade 12)
Implementation of the AIT, Applied Communications Modules.
Grades: 12
Cudahy

Career Explorations
Team taught by Language Arts, Business, and Dance departments.
Grades: 9
Milwaukee of the Arts

Communication Technology
A career cluster focusing on design, production, storage, and retrieval of information using a variety of methods. Experiences in printing and publishing, photography, electronics and audio/visual communication expand creative thinking.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Alexander Hamilton

Computers 9 & 10
Prepares students for a computer-oriented career. This curriculum combines academic and vocational skills with an emphasis upon fundamental computer concepts, business and community site visits, mentoring and job shadowing.
Grades: 9, 10 **X**
Milwaukee: Washington

Desktop Publishing/Multimedia Presentation
Students learn to prepare flyers, newsletters, advertising, brochures, announcements, newspapers, and other printed copy using a variety of formats, fonts, and graphics. Express Publisher and Linkway are used.
Grades: 9, 10, 11, 12 **X**
Cedarburg

English 5-6
Integrates Applied Communications modules and other business/technical communications with the course content.
Grades: 11
Cudahy

English 10
Students use a computer weekly to write papers and to do library research. The study of literature is tied directly to the study of history and cultures.
Grades: 10
Greendale

Enterprise
Integration of CORD, Applied Communication curriculum facilitated by an English teacher. Concepts of customer relations are taught.
Grades: 10, 11, 12 **X**
Cudahy

Entrepreneurs
Students are prepared for financial independence through creation and organization of small businesses and by learning marketing concepts. By using integrated instructional techniques, students employ creativity and vision to operate a school business.
Grades: 9, 10 **X**
Milwaukee: Washington

Global Studies
Course covers all cultures. Economic concepts, environmental issues, and development of communication skills are taught. Technology is used throughout the year.
Grades: 9
Greendale

Language Arts *(continued)*

Health Careers in the 21st Century 9 & 10
Students are introduced to the health and wellness industry. Training and instructional experiences in school and at local health-related facilities and businesses is provided. Activities: guest speakers, site visits, mentoring, and job shadowing.
Grades: 9, 10 **X**
Milwaukee: Washington

Information Technology
A hands-on experience with technology and its applications to information systems is provided. There is an emphasis on the effects of technology across various disciplines. Students work on real-life problems and situations.
Grades: 11, 12 **X**
Milwaukee: Rufus King

Integrated Business Studies
One year course, team taught with a common planning time. Students are taught in a three-hour block that incorporates a hands-on, project oriented approach. North Shore Bank serves as the business partner and works with teachers and students.
Grades:
Milwaukee: Riverside

Introduction to Arts/Communication
Students gain knowledge and skills related to careers and employability competencies.
Grades: 10
Milwaukee: John Marshall

Introduction to Business/Management
Students gain knowledge and skills related to careers and employability competencies.
Grades: 10
Milwaukee: John Marshall

Introduction to Health/Human Services
Students gain knowledge and skills related to careers and employability competencies.
Grades: 10
Milwaukee: John Marshall

Introduction to Technology/Engineering/Science
Students gain knowledge and skills related to careers and employability competencies.
Grades: 10
Milwaukee: John Marshall

Let's Connect Project
The program integrates English, History, and Business concepts with an emphasis on life-long skills for learning.
Grades: 9
Milwaukee: Rufus King

Manufacturing Systems
Articulation with Milwaukee Area Technical college allows for increased project based assessment.
Grades: 10
Milwaukee: South Division

Social Studies
Team taught integrated courses of world cultures and Language Arts.
Grades: 10
Cudahy

Transition Skills
A team taught course in which students see themselves as prospective workers being presented with the cross-curricular nature of all careers. Students participate in a hands-on community service project.
Grades: 9
Milwaukee: Madison

Math

Applied Math I
Students research a career and give an oral and written report. Students simulate an experience in their career in relation to finances. Students develop a survey, implement it and analyze the data. Health and legal issues are discussed.
Grades: 9, 10 **X**
Greendale

Auto Systems and Repair
Students given assignments from a year-long unit entitled "Math in the Automotive Trade." As the various systems of the automobile are discussed, assignments are included that deal with that system. Topics include geometric angles and ratios.
Grades: 12
Cudahy

Business Careers
Mathematics and Business Ed. team teach. During the team taught portion, students apply mathematics to business situations. This is the classroom portion of the business careers internship.
Grades: 12
Milwaukee: South Division

CAD/CAM
Math and Tech Ed team teach course applying CAD and CAM. Students create a math project around CAD/CAM and include it in their math portfolio.
Grades: 11
Milwaukee: South Division

Career Pathways
Students gain knowledge of how to enter a career. Focus is on a wide range of careers across each industry. Helps students decide on a career pathway.
Grades: 9
Milwaukee: Juneau Business

Carl Perkins Block Instruction
Integrated instruction between Science, Math, Language Arts, Keyboarding/ Computer Lit.
Grades: 9
Milwaukee: Bay View

Computer Aided Design Pre-Engineering Geometry
A team taught packaging design unit is incorporated. Included problem solving, CAD applications, and related field trips.
Grades: 10, 11, 12 **X**
Port Washington

Construction Process
Revision of "Career Awareness" learning activity using WCIS software. Addition of an electrical house wiring unit and concrete unit integrating Applied Math skills. Integrated elements of concrete with Business English.
Grades: 10, 11, 12 **X**
Cudahy

Geometry
Uses higher level thinking skills to solve problems involving shapes and figures. Students are required to apply their skills through analytical thinking and project based learning.
Grades: 9
Milwaukee: Juneau Business

Integrated Health Studies
One year, team taught course with a common planning time. Students are taught in a three-hour block. Methodology used is project-oriented. St. Mary's Hospital serves as the business partner and works with teachers and students during the year.
Grades: 9
Milwaukee: Riverside

Nutrition and Health Management
Team taught by Math and Physical Ed. An applied lab course demanding intensive performance integrating nutrition and exercise. Students complete a math project around nutrition and physical fitness. This project is included in the students' Math portfolio.
Grades: 11, 12 **X**
Milwaukee: South Division

Product Development 9 & 10
Instructional activities featuring exposure to a wide variety of career choices through videos, speakers, field trip opportunities, hands on training on up to date machines. Uses graphing calculators and computerized instructional technology.
Grades: 9, 10 **X**
Milwaukee: Washington

Math *(continued)*

Residential Construction
Students use math skills for solving material needs/costs. Trigonometry is used for surveying angles, distances, and heights. Principles of Science are used in assessing material strength.
Grades: 9, 10, 11, 12 **X**
South Milwaukee

Transitional Math/Pre-Calculus/ Comp Programming
Covers business vocations, problem solving in the banking and investing industries, and includes a tour of AquaChem/Stratagem.
Grades: 10, 11, 12 **X**
Greendale

Science

Arts & Science 9
Creativity and group/team problem solving skills are emphasized through a variety of activities. Infusion of technology into facets of learning ensure students are exposed to the technologies they will use in the next century.
Grades: 9
Milwaukee: Washington

Arts and Sciences
Careers for the future is the focus of the Arts and Science career cluster. Arts emphasizes communication and cultural links. Science emphasizes the application of scientific theory and knowledge.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Alexander Hamilton

Food Science
Integrated course of lab science and foods with a focus on the food industry.
Grades: 9, 10, 11, 12 **X**
Wauwatosa: East

Food Science I
Offered by Science and F/CE departments. Scientific principles of food content and preparation are covered. Food and science labs are used for experiments. Topics include scientific evaluation of food, basic chemistry, energy, and six basic nutrients.
Grades: 10, 11, 12 **X**
Greenfield

Food Science II
Offered by the Science and F/CE departments. Students learn scientific principles by working in the Science and Foods labs. Food safety and sanitation, pH, metabolism, canning, etc. are some covered topics.
Grades: 10, 11, 12 **X**
Greenfield

Integrated Science
Students study Sciences including physical, earth, ecology, natural resources, scientific principles, and their application to the real world.
Grades: 9
Milwaukee: Juneau Business

Medical Science Laboratory
Students use a core of medical terminology in Science and MD SC Lab. They produce research reports on pathological conditions plaguing both the school community and global environment.
Grades: 10, 12 **X**
Milwaukee: North Division

Principles of Technology
A lab-oriented course that covers mechanical, fluid, electrical, and thermal principles. Each unit deals with a principle of the four energy systems that make up both simple and complex technological devices and equipment.
Grades: 11, 12 **X**
Grafton

Science *(continued)*

Principles of Technology
Uses CORD materials. Prepares students to pursue careers as technicians and to learn more about applied physics. Students study concepts based on mechanical, fluid, electrical, and thermal systems using a lab-oriented approach.
Grades: 10, 11, 12 **X**
Oak Creek

Science 9/10
Students study energy conservation, biology, and chemistry against the backdrop of the social climate and other events that shaped the development of scientific discovery. In addition, students use the Internet, and a variety of software.
Grades: 9, 10 **X**
Milwaukee: Grand Avenue

Social Studies

Health and Human Services
A career cluster designed for students interested in people-oriented careers. Occupational interests include careers in health, nutrition sciences, food service, education, communication, etc. Job shadowing, youth apprenticeship opportunities.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Alexander Hamilton

Technology Education

Graphics P-T
Simulates an in-plant situation. Printing is done for the high school and school district.
Grades: 11, 12 **X**
Cudahy

Moraine Park

Moraine Park Partnership

Business Education

App on Mac
Students make products such as a perpetual calendar, book markers, and stationery for English classes.
Grades: 9, 10, 11, 12 **X**
Horicon

Employability Skills
Students prepare portfolios, resumes, complete an interview, job shadow, and apply to appropriate post-secondary schools.
Grades: 12
Slinger

Transition
One semester, team taught course. Helps students prepare for a career and job or schooling. Emphasis is placed on ways to interact and deal with people. Activities are designed to prepare the students for the working world.
Grades: 11
Oakfield

Foreign Language

International Business & Marketing
Team-taught between Business Ed. and Foreign Language. Students gain a background in the global marketplace. Topics include currency/metrics, customs, immigration, cultural sensitivity, do's and taboos, current events, and careers.
Grades: 11, 12 **X**
Hartford

French II/Foods I
An exploration of diet, foods, and dress of French culture.
Grades: 10, 11 **X**
Fond du Lac: Horace Mann

French III/Foods II
An exploration of diet, foods, and dress of French culture.
Grades: 11, 12 **X**
Fond du Lac: Horace Mann

International Business
Through Marketing and Spanish, international business concepts are explored. Students study the world economy and its effects on our future.
Grades: 10, 11, 12 **X**
Beaver Dam

International Business
Students are introduced to the world's business market and the role of culture and language. Topics covered include: basic business concepts, careers in international business, world travel, advertising, currency, language, and international etiquette.
Grades: 11, 12 **X**
West Bend: East

International Business
Students are introduced to the world's business market and the role of culture and language. Topics covered include: basic business concepts, careers in international business, world travel, advertising, currency, language, and international etiquette.
Grades: 11, 12 **X**
West Bend: West

Spanish II/Foods I
An exploration of diet, foods, and dress of Spanish and Mexican cultures.
Grades: 10, 11 **X**
Fond du Lac: Horace Mann

X indicates course is cross referenced with others. See cross reference list.

Foreign Language *(continued)*

Spanish III/Foods II
An exploration of diet, foods, and dress of Spanish and Mexican cultures.
Grades: 11, 12 **X**
Fond du Lac: Horace Mann

Language Arts

Employability Skills and English IV
Class attempts to meet the needs of students as they enter the world of work.
Grades: 11
Markesan

English for the 21st Century
Students learn the relevance of writing, speaking, and listening in work site situations. Basic curriculum provided by CORD.
Grades: 11, 12 **X**
Hartford

English III
One year, team taught course addressing reading, writing, speaking, and listening. Each unit includes projects, cooperative learning activities, software applications for literature, and a transfer of communication skills to simulate workplace situations
Grades: 11
Oakfield

English/Tech Ed
Exploration of printed and electronic media. Graphic arts, television, and radio production are covered.
Grades: 11, 12 **X**
Beaver Dam

Entrepreneur
Students develop a small business and produce Christmas gifts. Customers are children in grades K-6 who visit a store in December. Students in Tech Ed make toys. Journalism class does advertising and articles, and the Bus Ed classes do the bookkeeping.
Grades: 9, 10, 11, 12 **X**
Hustisford

Oral Communication
English and Vocational Ed. courses use the applied approach to oral communication and link communication to the workplace.
Grades: 11, 12 **X**
Slinger

Technical Writing
Students have numerous writing opportunities including formal essays, group projects, and business-oriented assignments. Composing and revising using word processing skills is emphasized.
Grades: 11, 12 **X**
Hartford

Technical Writing
Includes applied writing for technical use and development of a technical assembly manual.
Grades: 11, 12 **X**
Slinger

Written Communication/Word Processing
English and Business Ed. Through a variety of writing assignments, students analyze audience and purpose, research and organize ideas, and format and design documents. Students learn the basic concepts of word processing.
Grades: 11, 12 **X**
West Bend: East

Written Communications/Word Processing
An English and Business Ed. course. Through a variety of writing assignments, students analyze audience and purpose, research and organize ideas, and format and design documents. Students learn the basic concepts of word processing.
Grades: 11, 12 **X**
West Bend: West

Math

Advanced Manufacturing
An exploratory experience in manufacturing. Topics include machining, administration and support departments in manufacturing organizations. Content includes computer control application, vertical machining center, mold making and maintenance.
Grades: 11, 12 **X**
West Bend: West

Applied Math/Tech Ed
Using construction concepts to teach math skills. Helping students see the connection between school and work.
Grades: 11, 12 **X**
Beaver Dam

Math I
Students learn applications of technology and measuring with computer applications in several areas (Health, Business, Tech Ed, Marketing).
Grades: 9
Horicon

Math II
Students apply math concepts to health, business, and economics while developing computer skills (spreadsheets, graphs).
Grades: 10
Horicon

Principles of Engineering
Integrates math technology and manufacturing competencies. Emphasizes the application of skills.
Grades: 11, 12 **X**
West Bend: East

Principles of Engineering
Integrates math technology and manufacturing competencies. Emphasizes the application of skills.
Grades: 11, 12 **X**
West Bend: West

Science

Physics Concepts
Team taught course revised to reflect "Principles of Technology" curriculum. Students learn about physical concepts in context of industrial applications.
Grades: 11, 12 **X**
Ripon

Animal Care/Livestock Production/Horticulture/Conservation
Each class is one semester. Students must successfully complete all four classes to earn a Science credit. The basic biological objectives are met through the use of Agricultural terms and examples.
Grades: 9, 10, 11, 12 **X**
Lomira

Applied Physics
The physical principles underlying modern technology are studied. Each unit is applied to 4 energy systems: mechanical, fluid, thermal, and electrical. Concepts covered include force, work, rate, resistance, energy, power, and force transformers.
Grades: 10, 11, 12 **X**
Campbellsport

Aviation & Space Technology
Topics include aviation history, career opportunities, aero-dynamics, aircraft performance, meteorology, airports, regulations and aeronautical charts. Guest speakers, field trips, and 2 optional flight experiences are provided. Prep for private pilot exam
Grades: 10, 11, 12 **X**
Hartford

Science *(continued)*

Floriculture, Landscape, & Greenhouse Management
Uses applied methodology.
Grades: 10, 11, 12 **X**
Slinger

Physics
The Tech Ed portion coordinates projects such as Rube Goldberg engineering with a bridge building contest. There are joint field trips integrating principles of physics and technology.
Grades: 12
Dodgeland

Principles of Technology
Designed for students interested in technical careers and others wishing to further their understanding of physics principles underlying technology. The course includes 4 different systems (mechanical, fluid, electrical & thermal). Team taught.
Grades: 11, 12 **X**
Hartford

Social Studies

Art, Music of the Western Culture
Students develop skills to appreciate and critically view the visual arts and music of various styles. Hands-on experiences in producing artwork, field trips to museums, and professional performances are integral to the course.
Grades: 9, 10, 11, 12 **X**
Hartford

Food & Nutrition II
Cultural and ethnic origins of food choices are folded into nutritional information and preparation.
Grades: 9, 10, 11, 12 **X**
Horicon

Freshman Seminar
Students learn keyboarding skills, word processing and document formatting by using assignments Global Communications. Students are introduced to network software, Career Visions and HUHS portfolio. Goal setting and communications skills are explored.
Grades: 9
Hartford

Nicolet Area

Northwoods School-to-Work Consortium

Language Arts

Mass Communication
Students learn about a variety of media and demonstrate skill in handling projects for each media studied. Emphasis is placed on oral communication and the writing skills needed in journalistic reporting for all media.
Grades: 11, 12 **X**
Northland Pines

Science

An Introduction to Physics
Topics included are force, work, rates, resistance, energy, power, and transformers. Instruction incorporates video presentations, demonstrations, and hands-on labs.
Grades: 10, 11, 12
Lakeland

X indicates course is cross-referenced with others. See cross-reference list.

North Central

Central Wisconsin School-to-Work

Business Education

Falcon Enterprises
A unique program that integrates every department and class in the high school. Business is the hub of the wheel with the other departments assisting. The first semester is the manufacturing class. Entrepreneurships being developed.
Grades:
Abbotsford

Business Procedures
Applies the following concepts to business situations: skill development in information processing using computer, machine transcription, electronic calculator, records management, telephone techniques, job application and interviews.
Grades: 11, 12 **X**
Athens

Introduction to the Internet
Acquaints students with basic uses of the Internet as an information gathering tool as well as a tool to communicate with others.
Grades: 10, 11, 12 **X**
Stratford

Careers

Career Exploration
Grades: 11, 12 **X**
Athens

Foreign Language

International Business
Business/Marketing and Foreign Language team teach. Acquaints students with the challenges of international/global communications, provides guidelines for successful cross-cultural business communications, and creates an awareness of cultures.
Grades: 10, 11, 12 **X**
D C Everest

X indicates course is cross-referenced with others. See cross reference list.

Language Arts

Workplace Readiness
Business Ed., Marketing and English team teach. Content incorporates career exploration, the job search, goal setting and human relations skills. The final product is a portfolio representing the reading, writing, and communication skills in each unit.
Grades: 12
Wausau: West

Advanced Writing, Editing, & Layout in the Media
For students considering journalism or publishing as a field of study. Students publish the school yearbook. Students gain hands-on experience in planning, writing articles, stories, taking and developing photographs and completing publication layout.
Grades: 11, 12 **X**
Medford

Business English I 126
Grammar review, resumes for scholarships and employment and paragraphing are topics included in this class.
Grades: 11, 12 **X**
Antigo

Business English II 126A
Reviews grammar, applies punctuation, revises resumes (scholarship and employment), and edits writing assignments.
Grades: 11, 12 **X**
Antigo

Business Law
Team taught.
Grades: 9, 10 **X**
Tigerton

Career Decision Making
One semester class designed to help students study, reflect on and better identify personal career interests and goals. Includes a job shadowing component. Uses Language Arts and Social Studies skills.
Grades: 10
Prentice

Careers Plus
English and Business Ed. team teach semester course. Students explore strengths, interests, and aptitudes to make better career/life choices. Students plan a job search and do a job shadow, write applications and do an interview.
Grades: 10, 11, 12 **X**
D C Everest

Education for Employment
Students relate personality and interests to the job market and determine which careers are best suited to their needs. Students complete resumes, letters of recommendation, use internet to obtain employment info., and fill out job applications.
Grades:
Athens

Engineering I
Basic engineering concepts are learned through integration of math, science, and English skills in the design of an appropriate project. Projects are built and tested. Emphasizes problem solving, experimentation, and hands-on work.
Grades:
Athens

English 10
Team taught.
Grades: 10
Tigerton

English 10/World History 10
Activity: Renaissance fair including plays, meal, displays, and tours.
Grades: 10
Tigerton

English 9
Students learn basic grammar rules which apply to insurance policies, business letters, etc. They are reviewed by local employers.
Grades: 9
Phillips

Family and Consumer Education

Fit for Life
Includes exercise programs, nutritional info, and other health issues. An opportunity for students to use technology and physical activity to determine wellness and future goals.
Grades: 9 **X**
Athens

Marriage and Single Living
One year. All aspects of family living are covered. Study of other cultures and customs relating to dating, weddings, family life and structures, financing, environmental influences, family crises, and death and dying. Use of math and language skills.
Grades: 11, 12 **X**
Prentice

Med. Pub. II
Increases communication skills through various applied technologies.
Grades: 9, 10, 11, 12 X
Athens

Tech English
Prepares students for a different style of reading than expected in a university with emphasis on applications, applying the reading and developing plans that are to be written for instruction.
Grades:
Abbotsford

Writing for the Workplace
Students develop practical writing and speaking skills focused on real-world situations.
Grades: 11, 12 **X**
Medford

Yearbook
Teaches the fundamentals of layout, design, copywriting, and use of graphics in preparing the yearbook. Actual work will be completed in class.
Grades: 10, 11, 12 **X**
Athens

Math

Consumer Education and Senior Math
Units on installment loans, credit, and financial planning are co-taught.
Grades: 11, 12 **X**
Wausau: West

Craftsmanship I & II
Students are required to construct a woodworking project that includes drawing a detailed plan, writing a bill of materials, and purchasing building materials. A written and oral presentation accompanies the finished project.
Grades: 10, 11, 12 **X**
Athens

Life Management
Students acquire life skills needed to make informed decisions. Topics include making informal decisions, developing consumer skills, identifying personal goals and values and investigating careers and job skills.
Grades: 9, 10 **X**
Medford

Tech Math 367
Reviews simple Algebra, problem solving, graphing, and introduces geometry and trigonometry. Calculator is stressed as a tool.
Grades: 11, 12 **X**
Antigo

Web Page Development
The Math department has integrated its courses. All vocational areas have access to the latest technologies incorporating the Internet and web page development.
Grades: 9, 10, 11, 12 **X**
Wittenberg-Birnamwood

Science

Biology
A basic introduction to Life Sciences involving an emphasis on agronomy and human genetics.
Grades: 10
Phillips

Biotechnology
Students learn the relationship between new technologies and the formation of products from plants, animals, or microscopic organisms. Students study the practical application of mechanical devices, products, substances that improve health.
Grades: 10, 11, 12 **X**
D C Everest

Food Science
Team taught by Science and F/CE. Uses the food lab facility and science equipment. Students gain an understanding of the content of foods and investigate food preparation techniques through the use of scientific methods.
Grades: 10, 11, 12 **X**
D C Everest

Communications/Graphic Arts
Two week unit. Students design images (art) which would transfer clearly, using the thermofax (tech) to create the screen, and transfer images to the medium chosen (CD, T-shirt, caps, etc.) Students learn bonding and makeup of ink from science.
Grades: 9, 10, 11, 12 **X**
White Lake

Forestry
Topics include: tree growth, the multiple use concept, harvesting, marketing, forest crop laws, careers, and conservation practices used in forest management.
Grades: 11, 12 **X**
Medford

Kaleidoscope
Focuses on the connections between Art and Chemistry. The goal is to offer new opportunities for students. Work for this class involves both the hands and the mind. Careers are investigated.
Grades: 11, 12 **X**
Wausau: West

Principles of Engineering
Students learn how engineers design solutions to problems relating to structures, auto safety, energy systems, ergonomics, and machine automation and control. They do career research and make presentations.
Grades: 11, 12 **X**
D C Everest

Principles of Technology
Team taught by Science and Tech Ed. Teaches some physics concepts in a unique lab setting. For students with a vocational background who do not want traditional college prep Physics.
Grades: 11, 12 **X**
Medford

Science II
Stresses Math and Technology in relation to Science.
Grades: 9, 10 **X**
Phillips

Sci-Tech
Tech Ed and Science team teach. Physical Science, Chemistry, and Physics emphasized. For Tech Ed, practical application of Science concepts develops a hands-on learning atmosphere.
Grades:
Abbotsford

Social Studies

Economics Principles & Practices
Team taught by Social Studies and Business Ed. or Marketing. Teaches the economic concepts of scarcity, opportunity costs, and supply and demand. Finance, management, marketing, recordkeeping, and ethics are also stressed. Students form a company.
Grades: 10, 11, 12 **X**
D C Everest

Technology Education

Building Construction
Students construct a house from the foundation to completion. The course includes elements of design and decorating.
Grades: 12
Mosinee

Building Construction
Units of instruction have been integrated to allow students real world experience around specific tasks.
Grades: 12
Merrill

Manufacturing I & II
Students are introduced to various woodworking and metal working machines, tools, and safety. A product is designed and sold similar to the operation of an industry. A solid grasp of math and science skills is a mandatory prerequisite.
Grades: 9, 10, 11, 12 **X**
Athens

Engineering II
Computer programs including Auto Cad and Wind Tunnel are learned as well as construction of a project in either the metal or wood shop.
Grades:
Athens

Principles of Technology
Provides hands-on application of science and math principles as they relate to technology. Study of mechanical, thermal, electrical and fluid principles.
Grades: 11, 12 **X**
Antigo

Northeast Wisconsin

Northeast School-to-Work / Tech Prep Consortium

Business Education

International Business
Students research and develop projects/activities about integration of culture, language, business, and marketing concepts. Progress is presented to the Board of Education. Students study related careers using Internet.
Grades: 11, 12 **X**
Green Bay: West

Dynamics of Work
A nine week course with emphasis on problem solving, career planning, and resource management. Integration with Language Arts resume writing.
Grades: 10
Oconto Falls

Information Processing
One semester. Emphasizes basic computer skills. Integration involves coordinating writing term papers and assignments via word processing.
Grades: 9, 10, 11, 12 **X**
Oconto Falls

International Business
One semester course offered cooperatively with Marketing and Business Education. Curriculum includes integrated units on business cultures, language, business principles, and marketing strategies.
Grades: 11, 12 **X**
West De Pere

Word Processing II
Applied, hands-on learning correlates with the workplace. Integrates units with Language Arts.
Grades: 10, 11, 12 **X**
Florence

Family and Consumer Education

Relationships
Topics: family communications, decision-making, stress, life crisis. Recommended for students considering careers working with people such as teaching, office work, counseling, police science, psychology, social work, and child care.
Grades: 11, 12 **X**
Southern Door

X indicates course is cross-referenced with others. See cross reference list.

Foreign Language

International Business
Students research and develop projects/activities about integration of culture, language, business, and marketing concepts. Progress is presented to the Board of Education. Students study related careers using Internet.
Grades:
Green Bay: Southwest

Language Arts

Integrated Composition and Readings
One semester course. Emphasizes reading and writing involving technical applications. Includes: technical writing, document design, graphics, principles of the writing process, definitions, descriptions, memos, business letters and resumes.
Grades: 11
Southern Door

Business English/English IV
Uses verbal and non-verbal communication to communicate effectively in small or large group settings, especially in a business environment.
Grades:
De Pere

Commercial Design
One semester course in which students study graphic and interior design, office management, computers, and journalism.
Grades: 9, 10, 11, 12 **X**
Southern Door

Communications
Develops knowledge, understanding, and skill involved in self-expression through oral and written communications.
Grades: 10, 11 **X**
Coleman

Practical Communications
Team taught by Language Arts and Technology Ed. Blends technical and academic skills. Students explore communication modes and participate in a work experience project and job shadowing.
Grades: 10, 11 **X**
Crivitz

Tech Prep English 12
Technical writing and career exploration is taught in semester one. Integration of Business Education and Technology is taught through 26 different reports in the second semester.
Grades: 12
Pembine

Water Quality Project
Students explore water quality issues through scientific inquiry resulting in students seeing a relationship between academics and the world of work. Students work with community and business partners. Assessment based on Learning Standards.
Grades: 11, 12 **X**
Green Bay: West

Writing Skills Manual
A writing skills manual that serves as a universal document for staff and students in teaching study and writing skills.
Grades: 9, 10, 11, 12 **X**
Green Bay: Prebie

Written Communications
Covers aspects of technical writing, word processing, business communications, and proper job application procedures.
Grades: 11, 12 **X**
Luxemburg-Casco

Math

Math Connections
A 9-week project. Students make scale drawings of the classroom layout and present a plan on how to better arrange the classroom given a list of constraints and desires. Math and Tech Ed students construct the furniture and make oral presentations.
Grades: 9, 10, 11, 12 **X**
Green Bay: East

Business Mathematics
Integrates accounting and marketing concepts with Math.
Grades: 11, 12 **X**
Luxemburg-Casco

Tech Algebra
Team taught course detailing application of algebra concepts as used in a technical lab to produce products.
Grades:
De Pere

Tech Ed 9
Students explore careers, processes, and job skills in industry.
Grades: 9
Coleman

Tech Geometry
Team taught course detailing application of Geometry concepts used in a technical laboratory to produce a product.
Grades:
De Pere

Marketing Education

Sports, Entertainment, and Tourism Marketing
Students research a city. Based on the history, students develop a nickname for a "new" basketball team. Students develop logo ideas and color schemes. Art students draw the logos which are used for hats, shirts, jackets and letterhead.
Grades: 11, 12 **X**
Green Bay: East

Science

Chances/Choices
A human genetics program with a curriculum that teaches genetics using a soap opera style approach. Activities include reports, group presentations, and videos of genetic problems. The Biology program was coordinated among all teachers.
Grades: 10
Green Bay: Preble

Horticulture and Plant Life
Students receive a practical and scientific outlook on plants. Includes opportunity to work in school greenhouse, forest, and crop land.
Grades: 9, 10, 11, 12 **X**
Southern Door

Science (continued)

Introduction to Health Careers
Provides an opportunity for students to explore the many employment possibilities in Health and Human Services. Job shadowing, guest speakers, and hands-on activities. Simulation packages are implemented as the course develops.
Grades:
Green Bay: Southwest

Introduction to Health Careers
Provides an opportunity for students to explore the many employment possibilities in Health and Human Services. Job shadowing, guest speakers, and hands-on activities. Simulation packages are implemented as the course develops.
Grades: 9, 10, 11, 12 **X**
Green Bay: West

Forestry Wildlife Conservation
Integrates Environmental Science and Agricultural concepts into real world experiences.
Grades: 9, 10 **X**
Algoma

Physical Science
Uses Algebra and concentrates on Physics.
Grades: 9
Luxemburg-Casco

Social Studies

Business Management
Videos present different perspectives on people and ethnic groups. Projects are used as a spring board for discussion and analysis of students' own prejudices. Affirmative action and NIMBY issues discussed related to business. Pre and post testing done.
Grades: 11, 12 **X**
Green Bay: Southwest

Principles of Technology
Applied Physics for students who plan to pursue a technical career or just to keep pace with the advances in modern technology. Demonstrates the importance of physics and math in real world application.
Grades: 11, 12 **X**
Howard-Suamico: Bay Port

Principles of Technology
Applied Physics.
Grades: 11, 12 **X**
Pulaski

Principles of Technology II
Uses CORD materials and curriculum. Two years equals one year of Physics.
Grades: 12
Gibraltar

Soil/Water Conservation
Integrates Environmental Science and Agricultural concepts into real world experiences.
Grades: 9, 10 **X**
Algoma

Technology Education

Principles of Technology
Language Arts teachers assist Tech Ed teachers in reteaching the writing of technical reports based on lab experiment results and lesson process.
Grades: 11, 12 **X**
Green Bay: East

Southwest Wisconsin

Southwest Wisconsin Technical College / K-12 School-to-Work Consortium

Business Education

Desktop Publishing
Students learn the basics of newswriting. The class publishes a weekly. Keyboarding, proofreading, grammar, punctuation and spelling are all reinforced. Students use Pagemaker 5.0 software to lay out documents using digital graphics, camera and scanner
Grades: 11, 12 **X**
Barneveld

Family and Consumer Education

Food for Fitness
Food/Science integrated units.
Grades: 11, 12 **X**
Darlington

Food Science
Study of food microbiology, composition, and nutrition. Food Science and Technology covers all phases of food production, including raw material production, handling, processing, distribution, marketing, and consumption.
Grades:
Pecatonica

Food Science
One semester may be applied to Science requirement. Students learn basic science information and apply it to foods through experiments, research, and scientific evaluation.
Grades: 9, 10, 11, 12 **X**
Platteville

Family and Society
One semester. Topics: decision making, communication, life styles, changing roles, and management of a home and career. Social Studies credit given.
Grades: 10, 11, 12 **X**
Platteville

Foreign Language

French & Art 9-12
Language and Art appreciation.
Grades: 9, 10, 11, 12 **X**
Belmont

X indicates course is cross-referenced with others. See cross-reference list.

Language Arts

8th Grade English
Computers are used to prepare visual aids to accompany speeches.
Grades: 9
Ithaca

Careers
English students rotate 2 days with Bus Ed -WCIS Career Ways interests, skills, aptitudes, inventories; 1 day with guidance-4 year plan/college require/term; 1 day with library-career center introduction, Internet intro, resources; English. career research paper.
Grades: 9
Iowa-Grant

Communication in the 90's
Emphasizes writing for the business world. Developing skills for writing resumes, letters of application, and research skills for technical writing are taught to the students.
Grades: 12
Argyle

Composition I
Short written projects are produced on a word processor.
Grades: 9
Ithaca

Composition II
Research projects are produced using word processing and access to the Internet.
Grades: 10
Ithaca

Dramatic Productions
Team taught Fine Arts course in which students are directly involved in actual play production, including acting, rehearsal, set design and construction, properties design, construction and execution, costume design and construction and make-up.
Grades:
Barneveld

English and Technology
Students study and apply various skills through these units: technology, American literature, grammar, writing, word processing, an exploration of applied reading comprehension, and speaking and writing as they relate to the world of work.
Grades: 11
Platteville

Intro to Tech/English 10
Integration of Applied Communications and technical writing.
Grades: 9, 10 **X**
Darlington

Mass Media
Covers the effect media has on society. Business Ed. works with students on developing printed advertisements.
Grades: 11, 12 **X**
Ithaca

Research Paper
One semester, team taught course in which students learn the concepts of planning, preparing, and conducting academic research while learning information processing and technology skills.
Grades: 11, 12 **X**
Wauzeka

Senior English
Activities: technical reading, oral and written communication, and problem solving. Specific areas include: appreciation of theater, gender roles in the workplace, interpersonal communication, group dynamics.
Grades: 12
Cassville

Tech/Communications
Teaches communication skills in an applied manner. Exploration of technological careers. Students participate in "guided training stations" including robotics, electricity, taping, editing, aviation, photo silk screening. Presentation training provided.
Grades: 10, 11, 12 **X**
Kickapoo

Math

Aquaculture
Students study the process of raising fish in confined areas to learn the principles of biology, agriculture, math skills, technology, and marketing.
Grades: 11, 12 **X**
Mineral Point

Tech Prep Math I & II
Students develop skills in arithmetic operations, geometry, data handling, simple statistics, and algebraic formulas. Emphasis will be on the ability to understand and apply functional Mathematics to problem solve in the technical world of work.
Grades: 11, 12 **X**
Barneveld

The World of Credit
A 2-week, team taught unit. The study of exponential curves is related to consumer credit. Students study credit cards, savings and checking accounts, and general loans. Students work in teams and put together pamphlets.
Grades:
Cuba City

Science

Ag. Science
Topics: plants, soils, animals, and genetics. Comparable to Biology but taught from an agricultural standpoint.
Grades: 10, 11, 12 **X**
Ithaca

Agriscience
Merges traditional Biology with biotechnologies that apply to plants, soils, and animals. Students study hydroponics, genetics, soil testing, and cloning.
Grades: 10, 11, 12 **X**
Wauzeka

Animal Science
One semester may be applied to Science requirement. Students learn about a variety of animals through application of scientific knowledge and skills.
Grades: 9, 10, 11, 12 **X**
Platteville

Biotechnology
Integration of Ag and Biology. An intensive, hands-on, high school course intended to promote confidence and independence in lab situations. Prepares students for further training in plant/animal, biological, medical, and environmental sciences.
Grades: 11, 12 **X**
Iowa-Grant

Biotechnology
Addresses the inter-relationship between Science and Technology and the impact on our daily lives. Topics covered include genetics and genetic engineering, plant and animal science, and microbiology.
Grades: 11, 12 **X**
Lancaster

Biotechnology
One semester course. Students gain the knowledge and skills of controlled breeding, food production and processing, pharmaceutical production, cloning, gene splicing, and genetic fingerprinting.
Grades: 11, 12 **X**
Platteville

Consumer Chemistry
Prepares tomorrow's consumers through study of the chemistry of everyday products; using labs, lectures, readings to evaluate beverages, OTC drugs, fertilizers, water, foods and food additives, textiles, and petroleum.
Grades:
Pecatonica

Science *(continued)*

Exploring Natural Resources
One semester may be applied to Science requirement. Students gain an understanding of wildlife preservation, the water cycle, recreational and water resources, forest management, air pollution, and careers related to preserving natural resources.
Grades: 10, 11, 12 **X**
Platteville

General Science
Project: to draw a landscape to size.
Grades: 9
Ithaca

Plant and Soil Science
One semester may be applied to Science requirement. Students study the interrelationship of soils, plants, the environment, and conservation.
Grades: 9, 10, 11, 12 **X**
Platteville

Principles of Engineering
One semester may be applied to science requirement. Students learn engineering concepts by applying math and science skills to engineering case studies.
Grades: 11, 12 **X**
Platteville

Social Studies

Life/Job Skills
Students are given opportunities to succeed in both the world of work as well as preparing for education beyond high school.
Grades: 9, 10, 11, 12 **X**
Black Hawk

Technology Education

Principles of Technology
Application of CORD materials.
Grades: 12
Wauzeka

Principles of Engineering
Explores Science, Technology, and Engineering while experiencing the relationship between math, science, and technology to solve real world problems.
Grades: 11, 12 **X**
Darlington

Principles of Technology
Students further their understanding of the physical principles underlying modern technology through a study of the four energy systems - mechanical, fluid, thermal, and electrical.
Grades: 11, 12 **X**
Platteville

Tech Prep Science
Alternates years between Applied Biology/Chemistry and Applied Physical Science curriculum. Students focus on basic scientific principles using laboratory investigation along with learning about Science related careers.
Grades:
Barneveld

Waukesha County

Waukesha County School-to-Work Consortium

Business Education

International Business
Team taught by Business Ed. and Foreign Language. Offers a variety of individual and group activities to broaden knowledge of the global marketplace. Emphasizes awareness of the importance of history, geography, language, ethics and cultural studies.
Grades: 10, 11, 12 **X**
New Berlin: Eisenhower

Business Communication
Integrates business office procedures and writing skill applications
Grades: 11, 12 **X**
Waukesha: West

Foreign Language

International Business
A team taught course in which students gain an understanding of world economics and business. One half of the course involves relationships with local companies who do international business.
Grades: 10, 11, 12 **X**
Menomonee Falls

Language Arts

Humanities
An issues-oriented course using social and psychological issues as a basis to ask meaningful questions. Incorporates art as a means of expression.
Grades: 11, 12 **X**
Arrowhead

Integrated Technology
The use of technology to complete assignments in all classes taught in Bus Ed and Media Center. Tools used include the internet, powerpoint, desktop publishing, and LCD.
Grades: 11, 12 **X**
Menomonee Falls

Photo Expression
Combination of art studies, development of photographic techniques, and creative writing activities. Students develop artistic sensitivities as a visual artist.
Grades: 9, 10, 11, 12 **X**
Hamilton

Tech Writing
Integrates applications for technical writing skills.
Grades: 11, 12 **X**
Waukesha: West

Writing and Publishing
A year long, two-hour block course for which students receive two credits.
Grades: 10, 11, 12 **X**
New Berlin: Eisenhower

Math

Principles of Engineering
Integrated hands-on laboratory. Students learn important concepts in engineering while working on real life case studies. Students use concepts of problem solving, concurrent engineering, modeling ethics, and optimization.
Grades: 11, 12 **X**
Kettle Moraine

Tech Lab
Integrates Math and Tech Ed concepts.
Grades: 9, 10, 11, 12 **X**
Pewaukee

Science

Color Unit
A unit on color was used as a cross curriculum study in Interior Design, Physics/Electronics and Chemistry. Students do independent research.
Grades: 11, 12 **X**
Arrowhead

Science, Technology, and Society
An applied Science course which examines societal issues and analyzes the impact of technology on those issues in the world.
Grades: 11, 12 **X**
Arrowhead

Health Career Exploration
Grades: 9, 10 **X**
Oconomowoc

Principles of Technology
Uses CORD materials.
Grades: 11, 12 **X**
Pewaukee

Principles of Technology
One year course integrating physics concepts and hands-on activities from Science and Tech Ed.
Grades: 11, 12 **X**
Waukesha: West

The Body Works
Team taught integrated program involving P.E., Science, and F/CE. Curriculum includes diet, physical fitness, and a variety of ways to keep the body healthy.
Grades: 11, 12 **X**
Hamilton

Social Studies

Psychology of Child Development
Psychology students have hands-on experience viewing children in the child development day care and preschool labs as well as learning about child psychology from their peers and the teacher.
Grades: 11, 12 **X**
Muskego

Western Wisconsin

Western Wisconsin School-to-Work Consortium

Business Education

Business Communication
Communication in a business setting.
Grades: 9, 10, 11, 12 **X**
Onalaska

Computer Applications
Provides students the opportunity to become acquainted with word processing, desktop publishing, spreadsheet, database, presentation, and Windows software.
Grades: 10, 11, 12 **X**
Tomah

Entrepreneurship
Integrated course dealing with economic issues and business concepts.
Grades: 11, 12 **X**
Mauston

Keyboarding II
Students improve speed and accuracy as well as decision making skills in the completion of advanced business letters, reports, and other business forms for entry level job skills.
Grades: 9, 10, 11, 12 **X**
Tomah

Language and Technology
Computer work stressing versatility and facility with word processing and other software. Integration with workplace communication skills, such as interpersonal communication, creative problem solving, and technical writing.
Grades: 10
De Soto

Word Processing Applications
Students advance from word processing skills to desktop publishing.
Grades: 10, 11, 12 **X**
Tomah

Electronic Spreadsheet Applications
Topics include: math, accounting, finance, and statistics.
Grades: 11, 12 **X**
Tomah

Family and Consumer Education

Food Science
Provides students with a Science credit while exploring food science careers. Hands-on experimentation.
Grades: 10, 11, 12 **X**
Mauston

Foreign Language

International Business I & II
Designed to explore the many ways of life and approaches to doing business around the world. Topics include global business practices, travel, time, currencies, and law.
Grades:
LaCrosse: Central

Foreign Language *(continued)*

International Business
Students develop an understanding of different cultures and languages, basic business concepts, political structure, legal systems, and business practices of other nations. Units are integrated with French and Spanish.
Grades: 11, 12 **X**
Holmen

Spanish/French Creative Foods
Integrated Language Arts/Home Economics. 2-week unit focuses on culture and foods.
Grades: 9, 10 **X**
Independence

Language Arts

Applied Communications
Focuses on job related skills in reading, writing, and speaking. Activities: study of mass media, publishing flyers and posters for school activities, and publishing the yearbook.
Grades: 11, 12 **X**
Hillsboro

Applied Communications
Team taught between Business Education and Language Arts.
Grades: 11, 12 **X**
Mauston

Business English/Communications
Introduces students to listening, writing, reading, and speaking skills. Includes telephone etiquette, job campaign application letters, personal data sheets, and interviewing.
Grades: 11, 12 **X**
Tomah

Humanities
An interdisciplinary course with English, History, Music, Art, and Tech Ed which explores the evolution of Western civilization.
Grades: 11, 12 **X**
Onalaska

Integrated Communication
Topics covered include persuasion, communication, technology, TV/radio, and literary interpretation.
Grades: 10, 11, 12 **X**
Onalaska

Language 9 & 10
Counselors and Language Arts team teach career development units. Grade 9, students explore careers based on interests, abilities, and values. Grade 10, students research careers, the training required for jobs, and do a job shadow.
Grades: 9, 10 **X**
Holmen

Technical Writing
Develops and refines career related written communication skills and prepares students to recognize the importance of written communications in the workplace. Topics: document design, visual aids, analytical and persuasive reports and data collection.
Grades: 10, 11, 12 **X**
Westby

TV Production
Student developed, produced, and programmed cable channel. Team taught with English and Business Ed.
Grades: 10, 11, 12 **X**
Mauston

Marketing Education

Manufacturing Enterprise
Experience in the operation of a business. Students learn about different types of industry and manufacturing techniques.
Grades: 10, 11 **X**
Melrose-Mindoro

Math

Consumer Science
Students learn the science behind products and services used everyday. Students participate in labs and community service projects.
Grades: 10, 11, 12 **X**
Westby

Science

Environmental Biology
Students study the relationship between organisms and their environments. Units are integrated with Ag/Horticulture using the green house as a learning facility.
Grades: 10
Holmen

Modules of Technology
One semester hands-on Science course which allows students to explore modules including robotics, meteorology, aerodynamics, and alternative energy sources.
Grades: 9, 10, 11, 12 **X**
Black River Falls

Principles of Engineering
Grades: 11, 12 **X**
West Salem

Principles of Technology
Blends an understanding of basic principles of physics with hands-on application. Students gain a firm understanding of today's and tomorrow's technology.
Grades:
LaCrosse: Logan

Principles of Technology
Combines scientific principles in physics and hands-on laboratory experiences.
Grades: 11, 12 **X**
Onalaska

Principles of Technology
Physics course which explains science principles covering six areas. Taught by Tech Ed. and uses CORD curriculum.
Grades: 10, 11, 12 **X**
Tomah

Science/Tech/Society
Emphasizes the use of technology to collect, analyze, and present data related to science and our society. Units on electricity, engines, and computer-aided drafting are integrated with Tech Ed.
Grades: 11, 12 **X**
Holmen

Wildlife/Forestry
Combines science concepts with natural resources curriculum.
Grades: 10, 11, 12 **X**
Mauston

Social Studies

Business Law
Develops awareness of personal rights and responsibilities present in our everyday experiences. Problem solving and logical thinking skills are practiced.
Grades: 11, 12 **X**
Tomah

Technology Education

Principles of Technology
One year course with an applied approach to physics, math, and engineering concepts. CORD curriculum.
Grades: 10, 11, 12 **X**
Black River Falls

Advanced Woodworking
Steam-bent and bent laminated wooden products. Projects include marquetry, carving, and lathe turnings. Students obtain a plan of the product or design it. They must compute the cost of materials and construct jigs and fixtures or necessary tooling.
Grades: 10, 11, 12 **X**
Tomah

Architectural & Mechanical & Engineering Drawing
Students practice drawing various objects and structures using Auto CAD, drafting machines, and traditional drafting tools. Models and prototypes are built to transfer the two-dimensional to three dimensions.
Grades: 10, 11, 12 **X**
Tomah

Cabinet/Furniture Making
Students are introduced to the forest product industry and the use of lumber to produce a finished product. Special relationships, measurement, safe and proper tool use, along with problem solving concepts, are stressed.
Grades: 9, 10, 11, 12 **X**
Tomah

Carpentry
Students study the forest products industry and the technical information encountered in light building construction trades. Models of the frame of a structure are built to reinforce the terminology, building systems, and integrated components.
Grades: 10, 11, 12 **X**
Tomah

Communication
Study of the communications industry; practice through application of tools, skilis, and materials.
Grades: 11, 12 **X**
Melrose-Mindoro

Intro to Tech Ed
Covers the areas of communication in construction, manufacturing, and transportation.
Grades: 9
Melrose-Mindoro

Introduction to Woods/Drafting
Students learn the basics of drafting as a universal language. Measurement, visualization, and problem solving techniques are stressed. The student then applies these concepts to reading and interpreting a plan to produce a product using industry tools.
Grades: 9, 10, 11, 12 **X**
Tomah

Small Engines
The application of knowledge and skills while focusing on the field of small engine repair. Use of math, reasoning, and reading skills.
Grades: 11, 12 **X**
Melrose-Mindoro

Technology Education *(continued)*

Vocational Building Trades
An on-site building project. Students produce a bill of materials for the proposed structure and seek bids on materials from local lumber suppliers. The class constructs the project.
Grades: 11, 12 **X**
Tomah

Wisconsin Indianhead

Northwest Wisconsin Area Tech Prep / School-to-Work Consortium

Careers

Basic Employment Skills
Grades: 11, 12 **X**
Rice Lake

Family and Consumer Education

Food Science 21
Integrate concepts related to the science of food through experiments, lab recaps, and written assignments.
Grades: 11, 12 **X**
Superior

Food Science
Explores the science behind the foods students eat everyday.
Grades: 10, 11, 12 **X**
Birchwood

Food Science and Forensics
Students study the chemical and biological principles of food. Topics include: food production, processing and consumption, nutritional analysis of foods, new product development and environmental impacts. Studies crime scene analysis (fiber matching).
Grades: 9, 10, 11, 12 **X**
Weyerhaeuser

Parenting
Focuses on parenting and those conditions that foster positive development of children and adults. Course uses skills/knowledge from Language Arts curriculum to develop documents and resumes.
Grades: 12
Frederic

Marriage and Child
F/CE and math concepts are integrated to plan marriage and child raising activities.
Grades: 12
Luck

Meal Management
F/CE and math concepts are integrated to plan meal preparation.
Grades: 11, 12 **X**
Luck

Language Arts

Advanced Computer Writing Skills
One semester. Language Arts and Business Ed. team teach. Students gain experience in advanced computer writing skills.
Grades: 10, 11, 12 **X**
Glenwood City

English/Business Applications
Students apply English skills such as reading and writing to the real world i.e. applications, resumes.
Grades: 11, 12 **X**
Clayton

X indicates course is cross-referenced with others. See cross reference list.

Language Arts *(continued)*

Links
Designed for students who need to improve their academic skills. Includes work-based and school-based learning.
Grades: 9, 10 **X**
Superior

Publications
Focuses on producing a publication: writing, lay-out, photography, delegation, and business skills. This class is predominantly responsible for creating the yearbook, and it attempts other types of publications. English credit may be earned.
Grades: 9, 10, 11, 12 **X**
Chetek

Technology Communication
One semester, team taught course that integrates English, communication, and technical backgrounds. Emphasis on video production. Students gain an understanding of how to film, produce, edit and advertise a video.
Grades: 10, 11, 12 **X**
Glenwood City

BS Communications
Oral and written communication including job campaign materials are topics covered.
Grades: 12
Amery

Computer Writing Skills
One semester. Language Arts and Business Ed. team teach. Students gain experience broadening writing skills and computer experience. The school newspaper is part of the class project.
Grades: 10, 11, 12 **X**
Glenwood City

English 21
Integration of oral and written communication necessary to succeed in the 21st Century. Practical application to grammar, punctuation, spelling, sentence and paragraph construction, and letter composition.
Grades: 11, 12 **X**
Superior

English/Geometry 10
Tech Prep family of two basic academics, using integrated studies approach together with Keyboarding and Engine Repair.
Grades: 10
Grantsburg

English/Language Arts
Basic word processing, keyboarding, and computer skills are covered, in addition to traditional content. Also includes resume writing, business correspondence, and interviewing techniques.
Grades: 9, 10, 11, 12 **X**
Superior: Northland Secondary

Family Enterprise and Language Arts II
Teachers coordinate a research project on foreign foods. The unit is nine weeks in length, with hands-on activities and a written report.
Grades: 9
Saint Croix

Information Processing
Refinement of proofreading, composition skills, and skill building in speed and accuracy. Introduces formatting of reports, memos and tables. Students learn to operate the scanner and digital camera and use desktop publishing software.
Grades: 9, 10 **X**
Glidden

Language & Technology
Language Arts and Technology Education are integrated. Emphasis is on video production.
Grades: 10, 11, 12 **X**
Somerset

Mass Communications
An integrated approach to business and communication skills in which students run a business providing a service to type set promotional and informational materials for clients. Students write and produce a monthly school district newsletter.
Grades:
Turtle Lake

Language Arts *(continued)*

School to Work
One year class in which students gain an understanding of business operations through creating and running a school business. Students constructed shelving for the school store. Students will operate the store.
Grades: 11, 12 **X**
Luck

Tech English
A hands-on course which involves a team teaching approach between the English and Business Education Departments.
Grades: 12
Shell Lake

Technical Trends in English
Combines English skills and multi-media technology. The course reinforces communication skills needed in the workplace.
Grades: 12
Ashland

Workplace Communications
Students apply the mechanics and psychology of effective oral and written communication skills. Students apply reading, writing, listening, speaking, and problem solving to on-the-job situations in five major occupational areas.
Grades: 11, 12 **X**
Glidden

Writing for the Media
Focuses on improving writing skills and being productive members on the school newspaper.
Grades: 9, 10, 11, 12 **X**
Birchwood

Yearbook
Production of school yearbook
Grades: 11, 12 **X**
Hudson

Marketing

Northland Enterprises Store
Students operate a school-based store.
Grades: 9, 10, 11, 12 **X**
Superior: Northland Secondary

Math

High Mileage Vehicle
Students research, design, and develop a single person, fuel-efficient vehicle powered by a single cylinder, four-stroke engine. Students enter their vehicle in the Stout D.E.C.A. High Mileage Vehicle Competition.
Grades: 11, 12 **X**
Chetek

Agri-Business Management
Grades: 11, 12 **X**
Rice Lake

Aviation
Students use math and technology to design, build, and fly airplanes.
Grades: 9
Luck

Business Communication
Application of oral and written communication skills in business and employment situations.
Grades: 10, 11, 12 **X**
Birchwood

Business Math
Math concepts and business applications are integrated.
Grades: 9, 10, 11, 12 **X**
Birchwood

Business Math & Recordkeeping
Covers basic math concepts plus concepts related to operating a business.
Grades: 9, 10, 11, 12 **X**
Superior: Northland Secondary

Math *(continued)*

Consumer Economics
Grades: 11, 12 **X**
Rice Lake

Intermediate Algebra
Students study algebraic theories and apply the theories to construction related to practices such as stair layout and property surveying.
Grades: 10, 11 **X**
Hayward

Technology Learning Lab
A high tech lab where students learn various theories associated with one of 12 modules. Students apply theory to real life activities.
Grades: 11, 12 **X**
Hayward

Science

Applied Technology and Physical Science
Students set up and assist 9th grade students with labs related to Science and Technology. Instructors teach the concepts within the classrooms and labs are shared.
Grades: 11, 12 **X**
Saint Croix

Biotechnology
Combines the principles of Science, Agriculture and Technology.
Grades:
Amery

Biotechnology
Science and Agriculture integrated and team taught.
Grades: 11, 12 **X**
Rice Lake

Environmental Issues
Grades: 10, 11, 12 **X**
Rice Lake

Environmental Science
A team taught course related to environmental issues. The greenhouse and other Ag materials are used.
Grades: 10, 11, 12 **X**
New Richmond

Integrated Tech
An applied Science course that provides an understanding of technology principles and the mathematics associated with them. Provides the opportunity to learn about modern technology and the basic ideas that control and shape it.
Grades: 10, 11, 12 **X**
Webster

Natural Resource Management and Chemistry II
Students study methods to properly manage natural resources. The integrated unit relates to water quality information. The research and testing is based on water quality factors affecting the plants and animals in and around bodies of water.
Grades: 10, 11, 12 **X**
Spooner

Principles of Technology
Applied Physics.
Grades: 11, 12 **X**
Hudson

Social Studies

Applied Economics
Social Studies and Technology Ed. team teach. Students operate a simulated corporation within the school. Students do market research, develop, and market a product. The simulation finishes with the liquidation of the corporation.
Grades: 9, 10, 11, 12 **X**
Glidden

Foods of the World
Students learn about the cultures and cuisines of other countries. Included in this course are the Mediterranean countries, Middle East, Africa, Asia, Europe, and Latin America.
Grades: 11, 12 **X**
Chetek

Leadership and Thinking in a Chaotic World
Students learn group leadership skills, critical thinking techniques, and how to present problem solutions in various ways. The class involves much class discussion, research, listening, and leadership practice.
Grades: 11, 12 **X**
Chetek

Technology Education

Principles of Technology
A prototype course using standard CORD materials and trainers.
Grades: 10, 11, 12 **X**
New Richmond

Principles of Technology
Team taught. For students interested in technical careers and who wish to further their understanding of the physical principles underlying modern technology. The instructional system includes audiovisual presentation and hands on labs.
Grades: 10, 11, 12 **X**
Barron

Principles of Technology
Uses CORD materials.
Grades: 11, 12 **X**
Hayward

Principles of Technology
Uses an applied Science/Physics/Technology curriculum. The course is hands-on with a variety of labs.
Grades: 11, 12 **X**
Siren

Blackhawk

Language Arts

Business Communication	Monroe	BU
Medical Terminology	Beloit: Memorial	HO
Police Science	Beloit: Memorial	HO
Written Communication	Albany	BU
Written Communications	Edgerton	BU
Yearbook	Beloit: Memorial	TE
Yearbook Publication	Parkview	BU

Math

Integrated Math I & II	Beloit Turner	TE

Science

Applied Biology & Chemistry	Beloit: Memorial	FC
Principles of Technology I	Beloit: Memorial	TE
Principles of Technology II	Beloit: Memorial	TE
Science & Tech	Edgerton	TE

Social Studies

Introduction to Business	Clinton	BU

Technology Education

Principles of Technology	Clinton	SC
Principles of Technology I	Janesville: Craig	SC
Principles of Technology I	Janesville: Parker	SC

Chippewa Valley

Foreign Language

International Business	Eau Claire: Memorial	BU
International Business	Eau Claire: North	BU

Language Arts

Applied Communications	Altoona	BU
Contemporary Language Arts	River Falls	BU
Diversified Occupations	River Falls	FC
English 2000	Spring Valley	BU
English for the 21st Century	Eau Claire: North	BU
Humanities 9/10	Colfax	TE
Senior English	Eau Claire: Memorial	BU
Tech Journalism	Plum City	TE
Technical Journalism	Mondovi	TE
Writing for the Media	Altoona	BU

Math

Applied Physics/Principles of Technology	Eau Claire: Memorial	SC
Computer Aided Drafting	Plum City	TE
Integrates Mathematics Program	Colfax	SC
Principles of Technology	Menomonie	SC

Science

Food Science	Eau Claire: Memorial	AG
Principles of Engineering	Eau Claire: Memorial	TE
Agricultural Science	Chippewa Falls	AG
Applied Physical Science/Technology	Cadott	TE
Aqua-Culture	Thorp	AG
Biotech	Eau Claire: Memorial	AG
Biotech	Eau Claire: North	AG
Biotechnology	River Falls	AG
Communication Arts	Colfax	TE
Food Science	Eau Claire: North	AG
Principles of Technology	Eau Claire: North	TE

Social Studies

Independent Living	Eau Claire: Memorial	BU

Technology Education

Principles of Engineering	Eau Claire: Memorial	SC

Fox Valley

Language Arts

Applied Communication	Little Chute	BU

Applied Communications	Menasha	BU
Business English	Kaukauna	BU
Graphic Communication Processes	Seymour	TE
Journalism	Little Wolf	TE
Tech Composition Computer Applications	Appleton: West	BU
Tech Composition Computer Applications	Appleton: North	BU
Tech Composition Computer Applications	Appleton: East	BU
Tech Prep Mini Grant from FVTC	Brillion	SC
Technical Communications	Kimberly	BU
Workplace Readiness and Job Co-op	Seymour	BU

Math

Math Manufacturing and Marketing	Stockbridge	TE
Applied Math I & II	Little Chute	SC
Comp Integrated Physics	Appleton: West	SC
Exploring Technology	Kimberly	SC
Math Applications	Shiocton	TE
Tech Math for the Future	Appleton: West	TE
Tech Math for the Future	Appleton: North	TE
Tech Math for the Future	Appleton: East	TE

Science

Ecology	Hilbert	SS
Principles of Physics	Winneconne	TE
Principles of Technology	Kaukauna	TE
Science and Technology	Wautoma	TE
Science/Technology	Seymour	TE

Social Studies

Free Enterprise	Stockbridge	AR
Social Studies 9 Foods	Wild Rose	FC
Social Studies Tech Ed.	Marion	TE

Gateway

Foreign Language

International Business	Racine: Park	BU

Language Arts

Integrated English 10th Grade Computer Literacy	Racine: Park	BU
Integrated English 9th Grade Computer Literacy	Racine: Park	BU

Integrated Studies Program	Delavan-Darien	MA
Journalism Techniques	Union Grove	CM
Journalistic Writing	Union Grove	CM
Senior English & Auto Tech II	Whitewater	TE
Senior Studies	Lake Geneva: Badger	SS
Technology I	Big Foot	MA
Technology II	Big Foot	MA
Technology III	Big Foot	MA
Technology IV	Big Foot	MA
Television Production	Racine: Park	TE

Math

Basic Math/Math Connection	Delavan-Darien	TE
Tech Prep Math	Racine: Park	TE

Science

Agriscience-Plants, Animals, and You	Big Foot	AG
Biotechnology	Big Foot	AG
Chemistry in the Community	Racine: Park	AG
Forestry and Wildlife	Big Foot	AG
Principles of Technology	Union Grove	TE
Science Technology	Kenosha: Tremper	TE

Social Studies

Economics/Entrepreneurship	East Troy	TE
Global Studies I	Union Grove	AR
Global Studies II	Union Grove	AR

Technology Education

Graphics II	East Troy	AR
Principles of Technology	Racine: Park	SC

Lakeshore

Family & Consumer Education

Health Care Careers	Sheboygan: South	HO

Foreign Language

International Business	Manitowoc: Lincoln	BU

Language Arts

Career Communications I/II	Manitowoc: Lincoln	BU
Technical Reading & Writing	Mishicot	TE
Applied Communications/Auto Tech	Plymouth	TE
Creative Writing	Reedsville	TE
Multi-Media Communications I/II	Manitowoc: Lincoln	TE
Team	Sheboygan Falls	SC

Math

Geometry & Applied Tech	Mishicot	TE

Science

Biotechnology	Valders	TE
Principles of Technology	Sheboygan: South	TE
Technology Futures I & II	Cedar Grove-Belgium	TE

Social Studies

ESL VESL I & II	Sheboygan: South	BU

Technology Education

Principles of Technology	Sheboygan Falls	SC

MATC-Madison

Language Arts

Applied Communications	Portage	BU
Applied English	Reedsburg: Webb	TE
Audio and Video Production	Stoughton	TE
Communication Arts	Monona Grove	BU
Communications in the Workplace	Portage	BU
Consumer English	Stoughton	BU
English for Business	Waunakee	BU
Food Service	Wonewoc	MA
Information Age Composition	McFarland	BU
Multi-Cultural Literature	Oregon	SS
Technology Center	Madison: East	MA
Video Journalism	Cambridge	TE
Vocational English/TV Production	Lake Mills	TE

Math

Cartography and Navigation	Mount Horeb	SC
Educated Consumer I	Verona	FC
Educated Consumer II	Verona	FC
Applied Math I	Wonewoc	AG
Applied Math I/II	Reedsburg: Webb	TE
Applied Math II	Wonewoc	AG
Biotechnology	New Glarus	SC
Hole in One Mini Golf Course	Wisconsin Heights	TE
Math Applications	Monona Grove	BU
Principles of Engineering	Madison: West	SC
Principles of Engineering	McFarland	TE
Principles of Engineering	Oregon	SC

Science

Computer Integrated Physics	Portage	TE
Introduction to Health Occupations	Jefferson	HO
Ag. Biology	Reedsburg: Webb	AG
Applied Biology/Chemistry	Portage	AG
Applied Science/Foods Emphasis	Westfield	FC
Bio Technology	Oregon	AG
Bio-Tech	Marshall	AG
Bio-Tech	Montello	AG
Bio-Technology	Monona Grove	HO
Bio-Technology	Verona	AG
Biotechnology	Belleville	AG
Biotechnology	Madison: East	AG
Biotechnology	Madison: LaFollette	AG
Biotechnology	Madison: Memorial	AG
Biotechnology	Madison: West	AG
Biotechnology	McFarland	HO
Biotechnology	Portage	AG
Biotechnology	Stoughton	AG
Biotechnology, Advanced Biology, Advanced Agriculture	Mount Horeb	AG
Biotechnology/Medical Applications	Fort Atkinson	AG
Food Science	Cambria Friesland	FC
Food Science	Marshall	FC
Intro. to Health Occupations	Cambridge	FC
Introduction to Health Occupations	Jefferson	HO
Materials Science	Madison: West	TE
Physical Science and Technology	Baraboo	AG
Principles of Engineering	Marshall	TE
Principles of Technology	Monona Grove	TE
Business Enterprise	Reedsburg: Webb	BU
Leadership for the Future	Stoughton	AG

Social Studies

Marketing/US History	Waunakee	MK

Technology Education

Principles of Technology	DeForest	SC
Principles of Technology	Poynette	SC

Mid-State

Business Education

International Business	Marshfield	SS

Family & Consumer Education

Restaurant Entrepreneurship	Marshfield	MK

Language Arts

English 2001	Pittsville	BU
Transitional English	Auburndale	BU
Business Communications	Granton	BU
Business Communications	Adams-Friendship	BU
Business Communications	Marshfield	BU
Communication Theory	Stevens Point Area	BU
Computer English	Stevens Point Area	BU
English 2002	Pittsville	BU
Intro. to Careers/Keyboarding	Nekoosa	BU
Intro. to Communications	Granton	TE
Senior English	Nekoosa	BU
Technical Writing	Marshfield	TE
Written Communication	Stevens Point Area	BU

Math

Applied Math	Almond	TE
Consumer Math	Nekoosa	BU
General Math	Nekoosa	BU
Retail Math	Auburndale	FC

Science

Applied Biology	Almond	TE
Agri-Science	Stevens Point Area	AG
Agriculture/Biology	Stevens Point Area	AG
Applied Bio-Chem	Pittsville	FC
Basic Biology	Nekoosa	HO

Biology/Horticulture	Adams-Friendship	AG
Biotechnology/Environmental Issues	Auburndale	AG
Foods/Biology	Stevens Point Area	FC
Horticulture	Auburndale	AG
Parenting	Auburndale	FC
Pre-Vet/Animal Science	Auburndale	AG
Vet Science	Granton	AG

Technology Education

Principles of Technology	Adams-Friendship	SC
Principles of Technology	Marshfield	SC

MATC-Milwaukee

Business Education

Business and Finance	Milwaukee: Rufus King	

Foreign Language

Choir	Greendale	MU
Gourmet Foods	South Milwaukee	FC
International Business	West Allis: Central	BU
International Business	West Allis: Hale	BU
International Business Links	West Allis: Central	BU
International Business Links	West Allis: Hale	BU
International Work Links	Wauwatosa: West	BU

Language Arts

Applied Math I	Greendale	MA
School to Work Integrated Studies	Milwaukee: Pulaski	MA
Business English (Grade 12)	Cudahy	BU
Career Explorations	Milwaukee of the Arts	BU
Communication Technology	Milwaukee: Hamilton	TE
Computers 9 & 10	Milwaukee: Washington	MA
Desktop Publishing/Multimedia Presentation	Cedarburg	BU
English 5-6	Cudahy	BU
English 10	Greendale	TE
Enterprise	Cudahy	BU
Entrepreneurs	Milwaukee: Washington	SS
Global Studies	Greendale	SC
Health Careers in the 21st Century 9 & 10	Milwaukee: Washington	MA
Information Technology	Milwaukee: Rufus King	MK
Integrated Business Studies	Milwaukee: Riverside	SS

Introduction to Arts/Communication	Milwaukee: John Marshall	CA
Introduction to Business/Management	Milwaukee: John Marshall	SS
Introduction to Health/Human Services	Milwaukee: John Marshall	SC
Introduction to Technology/Engineering/Science	Milwaukee: John Marshall	MA
Let's Connect Project	Milwaukee: Rufus King	SS
Manufacturing Systems	Milwaukee: South Division	MA
Social Studies	Cudahy	SS
Transition Skills	Milwaukee: Madison	SS

Math

Auto Systems and Repair	Cudahy	TE
Business Careers	Milwaukee: South Division	BU
CAD/CAM	Milwaukee: South Division	TE
Career Pathways	Milwaukee: Juneau	SC
Carl Perkins Block Instruction	Milwaukee: Bay View	SC
Computer Aided Design Pre-Engineering Geometry	Port Washington	TE
Construction Process	Cudahy	TE
Geometry	Milwaukee: Juneau	SC
Integrated Health Studies	Milwaukee: Riverside	SC
Nutrition and Health Management	Milwaukee: South Division	FC
Product Development 9 & 10	Milwaukee: Washington	SC
Transitional Math/Pre Calc/Comp Prog	Greendale	FC

Science

Arts & Science 9	Milwaukee: Washington	AR
Arts and Sciences	Milwaukee: Hamilton	AR
Food Science	Wauwatosa: East	FC
Food Science I	Greenfield	FC
Food Science II	Greenfield	FC
Integrated Science	Milwaukee: Juneau	BU
Medical Science Laboratory	Milwaukee: North Division	HO
Principles of Technology	Grafton	TE
Principles of Technology	Oak Creek	TE
Science 9/10	Milwaukee: Grand Avenue	SS

Social Studies

Health and Human Services	Milwaukee: Hamilton	HO

Technology Education

Graphics P-T	Cudahy	LA
Residential Construction	South Milwaukee	MA

Moraine Park

Business Education

App on Mac	Horicon	LA
Employability Skills	Slinger	LA
Transition	Oakfield	

Foreign Language

International Business & Marketing	Hartford	BU
French II/Foods I	Fond du Lac: Horace Mann	FC
French III/Foods II	Fond du Lac: Horace Mann	FC
International Business	Beaver Dam	MK
International Business	West Bend: East	BU
International Business	West Bend: West	BU
Spanish II/Foods I	Fond du Lac: Horace Mann	FC
Spanish III/Foods II	Fond du Lac: Horace Mann	FC

Language Arts

Employability Skills and English IV	Markesan	BU
English for the 21st Century	Hartford	BU
English III	Oakfield	BU
English/Tech Ed	Beaver Dam	TE
Entrepreneur	Hustisford	BU
Oral Communication	Slinger	BU
Technical Writing	Hartford	BU
Technical Writing	Slinger	TE
Written Communication/Word Processing	West Bend: East	BU
Written Communications/Word Processing	West Bend: West	BU

Math

Advanced Manufacturing	West Bend: West	TE
Applied Math/Tech Ed	Beaver Dam	TE
Math I	Horicon	BU
Math II	Horicon	BU
Principles of Engineering	West Bend: East	TE
Principles of Engineering	West Bend: West	TE

Science

Physics Concepts	Ripon	TE
Animal Care/Livestock Production/ Horticulture/Conservation	Lomira	AG
Applied Physics	Campbellsport	TE
Aviation & Space Technology	Hartford	TE

Floriculture, Landscape, & Greenhouse Management	Slinger	AG
Physics	Dodgeland	TE
Principles of Technology	Hartford	TE

Social Studies

Art, Music of the Western Culture	Hartford	MU
Food & Nutrition II	Horicon	FC
Freshman Seminar	Hartford	BU

Nicolet Area

Language Arts

Mass Communication	Northland Pines	BU

Science

An Introduction to Physics	Lakeland	TE

North Central

Business Education

Business Procedures	Athens	LA
Falcon Enterprises	Abbotsford	LA
Introduction to the Internet	Stratford	MA

Family and Consumer Education

Fit for Life	Athens	LA
Marriage and Single Living	Prentice	MA

Foreign Language

International Business	D C Everest	BU

Language Arts

Workplace Readiness	Wausau: West	BU

Advanced Writing, Editing, & Layout in the Media	Medford	TE
Business English I 126	Antigo	BU
Business English II 126A	Antigo	BU
Business Law	Tigerton	BU
Career Decision Making	Prentice	SS
Career Exploration	Athens	BU
Careers Plus	D C Everest	BU
Education for Employment	Athens	FC
Engineering I	Athens	MA
English 10	Tigerton	BU
English 10/World History 10	Tigerton	SS
English 9	Phillips	SS
Med. Pub. II	Athens	MA
Tech English	Abbotsford	BU
Writing for the Workplace	Medford	BU
Yearbook	Athens	BU

Math

Consumer Education and Senior Math	Wausau: West	BU
Craftsmanship I & II	Athens	TE
Life Management	Medford	SS
Tech Math 367	Antigo	TE
Web Page Development	Wittenberg-Birnamwood	AG

Science

Biology	Phillips	AG
Biotechnology	D C Everest	AG
Food Science	D C Everest	FC
Communications/Graphic Arts	White Lake	TE
Forestry	Medford	AG
Kaleidoscope	Wausau: West	AR
Principles of Engineering	D C Everest	MA
Principles of Technology	Medford	TE
Science II	Phillips	TE
Sci-Tech	Abbotsford	TE

Social Studies

Economics Principles & Practices	D C Everest	BU

Technology Education

Building Construction	Merrill	LA
Building Construction	Mosinee	MA
Engineering II	Athens	MA
Manufacturing I & II	Athens	MA
Principles of Technology	Antigo	SC

Northeast Wisconsin

Business Education

International Business	Green Bay: West	FL
International Business	West De Pere	FL

Family and Consumer Education

Relationships	Southern Door	SS

Foreign Language

International Business	Green Bay: Southwest	BU

Language Arts

Integrated Composition and Readings	Southern Door	BU
Word Processing II	Florence	BU
Business English/English IV	De Pere	BU
Commercial Design	Southern Door	MA
Communications	Coleman	MA
Dynamics of Work	Oconto Falls	BU
Information Processing	Oconto Falls	SS
Practical Communications	Crivitz	BU
Principles of Technology	Green Bay: East	SC
Tech Prep English 12	Pembine	BU
Water Quality Project	Green Bay: West	MA
Writing Skills Manual	Green Bay: Preble	AG
Written Communications	Luxemburg-Casco	BU

Math

Math Connections	Green Bay: East	TE
Business Mathematics	Luxemburg-Casco	BU
Tech Algebra	De Pere	TE
Tech Ed 9	Coleman	TE
Tech Geometry	De Pere	TE

Science

Chances/Choices	Green Bay: Preble	FC
Horticulture and Plant Life	Southern Door	AG
Introduction to Health Careers	Green Bay: Southwest	FC
Introduction to Health Careers	Green Bay: West	FC
Forestry Wildlife Conservation	Algoma	AG

Physical Science	Luxemburg-Casco	AG
Principles of Technology	Howard-Suamico: Bay Port	TE
Principles of Technology	Pulaski	TE
Principles of Technology II	Gibraltar	TE
Soil/Water Conservation	Algoma	AG

Social Studies

Business Management	Green Bay: Southwest	BU
Sports, Entertainment, and Tourism Marketing	Green Bay: East	MK

Southwest Wisconsin

Business Education

Desktop Publishing	Barneveld	LA

Family and Consumer Education

Food for Fitness	Darlington	SC
Food Science	Pecatonica	SC
Food Science	Platteville	SC
Family and Society	Platteville	SS

Foreign Language

French & Art 9-12	Belmont	AR

Language Arts

8th Grade English	Ithaca	BU
Careers	Iowa-Grant	BU
Communication in the 90's	Argyle	BU
Composition I	Ithaca	BU
Composition II	Ithaca	BU
Dramatic Productions	Barneveld	BU
English and Technology	Platteville	BU
Intro to Tech/English 10	Darlington	TE
Mass Media	Ithaca	BU
Research Paper	Wauzeka	BU
Senior English	Cassville	TE
Tech/Communications	Kickapoo	TE

Math

Aquaculture	Mineral Point	SC
Tech Prep Math I & II	Barneveld	
The World of Credit	Cuba City	FC

Science

Ag. Science	Ithaca	AG
Agriscience	Wauzeka	AG
Animal Science	Platteville	AG
Biotechnology	Iowa-Grant	AG
Biotechnology	Lancaster	AG
Biotechnology	Platteville	AG
Consumer Chemistry	Pecatonica	FC
Exploring Natural Resources	Platteville	AG
General Science	Ithaca	AR
Plant and Soil Science	Platteville	AG
Principles of Engineering	Platteville	TE
Principles of Technology	Platteville	TE
Tech Prep Science	Barneveld	MA

Social Studies

Life/Job Skills	Black Hawk	BU

Technology Education

Principles of Engineering	Darlington	SC
Principles of Technology	Wauzeka	SC

Waukesha County

Business Education

Business Communication	Waukesha: West	LA
International Business	New Berlin: Eisenhower	LA

Foreign Language

International Business	Menomonee Falls	BU

Language Arts

Humanities	Arrowhead	SS
Integrated Technology	Menomonee Falls	SS
Photo Expression	Hamilton	TE
Tech Writing	Waukesha: West	TE
Writing and Publishing	New Berlin: Eisenhower	TE

Math

Principles of Engineering	Kettle Moraine	SC
Tech Lab	Pewaukee	SC

Science

Color Unit	Arrowhead	FC
Science, Technology, and Society	Arrowhead	TE
Health Career Exploration	Oconomowoc	BU
Principles of Technology	Pewaukee	TE
Principles of Technology	Waukesha: West	TE
The Body Works	Hamilton	FC

Social Studies

Psychology of Child Development	Muskego	FC

Western Wisconsin

Business Education

Business Communication	Onalaska	LA
Computer Applications	Tomah	MA
Electronic Spreadsheet Applications	Tomah	MA
Entreprenuership	Mauston	SS
Language and Technology	De Soto	LA
Word Processing Applications	Tomah	MA

Family and Consumer Education

Food Science	Mauston	SC

Foreign Language

International Business I & II	LaCrosse: Central	BU
International Business	Holmen	BU
Spanish/French Creative Foods	Independence	FC

Language Arts

Applied Communications	Hillsboro	BU
Applied Communications	Mauston	BU
Business English/Communications	Tomah	BU
Humanities	Onalaska	SS
Integrated Communication	Onalaska	TE
Language 9 & 10	Holmen	CA
Technical Writing	Westby	BU
TV Production	Mauston	BU

Marketing Education

Manufacturing Enterprise	Melrose-Mindoro	LA

Math

Consumer Science	Westby	SC

Science

Environmental Biology	Holmen	AG
Modules of Technology	Black River Falls	TE
Principles of Engineering	West Salem	TE
Science/Tech/Society	Holmen	TE
Wildlife/Forestry	Mauston	AG

Social Studies

Business Law	Tomah	BU

Technology Education

Advanced Woodworking	Tomah	SC
Architectural & Mechanical & Engineering Drawing	Tomah	SC
Cabinet/Furniture Making	Tomah	SC
Carpentry	Tomah	SC
Communication	Melrose-Mindoro	MA
Intro to Tech Ed	Melrose-Mindoro	SC
Introduction to Woods/Drafting	Tomah	SC
Principles of Technology	Black River Falls	SC
Principles of Technology	LaCrosse: Logan	SC
Principles of Technology	Onalaska	SC
Principles of Technology	Tomah	SC
Small Engines	Melrose-Mindoro	SC
Vocational Building Trades	Tomah	TE

Wisconsin Indianhead

Careers

Basic Employment Skills	Rice Lake	LA

Family and Consumer Education

Food Science 21	Superior	SC
Food Science	Birchwood	SC
Food Science and Forensics	Weyerhaeuser	SC
Marriage and Child	Luck	MA
Meal Management	Luck	MA
Parenting	Frederic	LA

Language Arts

Advanced Computer Writing Skills	Glenwood City	BU
English/Business Applications	Clayton	BU
Links	Superior	MA
Publications	Chetek	MK
Technology Communication	Glenwood City	TE
BS Communications	Amery	BU
Computer Writing Skills	Glenwood City	BU
English 21	Superior	BU
English/Geometry 10	Grantsburg	MA
English/Language Arts	Superior: Northland	BU
Family Enterprise and Language Arts II	Saint Croix	FC
Information Processing	Glidden	BU
Language & Technology	Somerset	TE
Mass Communications	Turtle Lake	BU
School to Work	Luck	MA
Tech English	Shell Lake	BU
Technical Trends in English	Ashland	BU
Workplace Communications	Glidden	BU
Writing for the Media	Birchwood	BU
Yearbook	Hudson	BU

Math

High Mileage Vehicle	Chetek	SC
Agri-Business Management	Rice Lake	SS
Aviation	Luck	TE
Business Communication	Birchwood	BU
Business Math	Birchwood	BU
Business Math & Recordkeeping	Superior: Northland	BU
Consumer Economics	Rice Lake	FC
Intermediate Algebra	Hayward	TE
Technology Learning Lab	Hayward	SC

Marketing Education

Northland Enterprises Store	Superior: Northland	MA

Science

Applied Technology and Physical Science	Saint Croix	TE
Biotechnology	Amery	AG
Biotechnology	Rice Lake	AG
Environmental Issues	Rice Lake	AG
Environmental Science	New Richmond	AG
Integrated Tech	Webster	TE
Natural Resource Mgmt and Chemistry II	Spooner	AG
Principles of Technology	Hudson	TE
Principles of Technology	Hayward	TE
Principles of Technology	Siren	TE

Social Studies

Applied Economics	Glidden	TE
Foods of the World	Chetek	FC
Leadership and Thinking in a Chaotic World	Chetek	MK

Technology Education

Principles of Technology	New Richmond	SC
Principles of Technology	Barron	SC

Applied Curricula

Blackhawk

School-to-Work / Tech Prep BTC / CESA #2 Consortium

Business Education

Accounting III
Combines the students' knowledge of accounting with the use of computers. Students learn to use spreadsheets and prepare accounting software. Topics: cost and managerial accounting and taxes.Team decision making and computer simulations.
Grades: 12
Beloit: Memorial

Business Occupations
Students receive instruction on telecommunication, word processing, data processing, spreadsheets, business skills. Job search, applications, and interviews are included along with instruction related to on-the-job training skills.
Grades: 12
Beloit: Memorial

Careers

Fire Science
Basic training geared to the entry level Fire Science program. Areas of study include: firefighter safety, protective equipment, fire apparatus, fire behavior, fire extinguishers, fire streams, ladders, and ventilation.
Grades: 12
Beloit: Memorial

Family & Consumer Education

Child Care Services I, II
Students gain the knowledge necessary for a career working with young children. Students may be eligible to receive a certificate that qualifies them to work as an assistant child care teacher in a child care facility.
Grades: 11, 12
Beloit: Memorial

Health Occupations

Health Career and Occupations
Students become aware of the more than 200 career opportunities in the health field. Personal requirements and training for each career are investigated in consumer health, community health, environmental health, accident prevention, etc.
Grades: 10, 11, 12
Beloit: Memorial

Language Arts

English in Action
Led by English and Special Needs instructors, students engage in project-oriented instruction. Projects relate to students' career majors and courses from all vocational disciplines.
Grades: 10, 11, 12
Clinton

Math

Algebra II B
Curriculum includes trigonometry and logarithmic functions and their applications to real situations.
Grades: 10, 11, 12
Beloit: Memorial

Applied Math A
Uses CORD materials.
Grades: 9, 10, 11, 12
Evansville

Applied Math B
Uses CORD materials.
Grades: 9, 10, 11, 12
Evansville

Applied Math C
Uses CORD materials.
Grades: 11, 12
Evansville

Intermediate Algebra
Uses CORD materials.
Grades: 9, 10, 11, 12
Evansville

Introduction to Algebra
Uses CORD materials.
Grades: 9
Evansville

Marketing Education

Marketing II
Students apply skills from Marketing I to various projects. Topics include: human relations, business communications, how to start a small business, merchandising, management and supervision. Classroom instruction coordinated with on the job training.
Grades: 12
Beloit: Memorial

Social Studies

Life Skills
Students learn and apply competencies in self-awareness, world of work, job seeking, and relationships. A personal career portfolio will be created by each student.
Grades: 11
Clinton

Technology Education

Carpentry Techniques
Advanced course emphasizing the phases of residential construction using the Wheels of Learning published by the Construction Education Foundation, the educational affiliate of Associated Builders, and Contractors of Wisconsin (ABC).
Grades: 11, 12
Beloit: Memorial

Architectural Drafting
Students design and draw their own dream house. Topics include: energy efficient designs, construction details, and creating a set of blueprints with the use of the CAD system. Course competencies meet Drafting/Design Youth Apprenticeship curriculum.
Grades: 10, 11, 12
Beloit: Memorial

Automotive Servicing
An orientation to the auto service industry, this course studies basic automotive procedures, uses general hand and power tools, and works with basic automotive electrical systems. The course follows Auto Technician YA competencies.
Grades: 10, 11, 12
Beloit: Memorial

Automotive Systems
Students learn about various engine systems, engine parts, troubleshooting, and repair procedures. This course combines coursework study with practical hands-on lab activities. The course is revised to follow Auto Tech YA competencies.
Grades: 11, 12
Beloit: Memorial

Automotive Technology I
The study of brakes and braking systems. Students learn about drum, disc, power brakes, and anti lock brake systems. Diagnosing and repair procedures are covered. YA Auto Technician competencies are used.
Grades: 11, 12
Beloit: Memorial

Automotive Technology II
A study of steering and suspension diagnosis and repair. Class combines technical information and practical hands-on lab activities. Revised to follow Auto Technician YA competencies.
Grades: 11, 12
Beloit: Memorial

Drafting Fundamentals
Designed to give an exploratory background into drafting and drafting careers. Topics include: drafting, multi-view projection, working drawings, pictorial drawings, and blue print reading. Competencies meet Drafting/Design Youth Apprenticeship Curriculum
Grades: 10, 11, 12
Beloit: Memorial

Engineering Drafting
Includes units in civil engineering, CAD and design, materials testing, descriptive geometry, engineering problem solving, advanced auto CAD use and engineering related careers. Competencies meet Drafting/Design Youth App. Curriculum
Grades: 10, 11, 12
Beloit: Memorial

Introduction to CAD
An introduction to Computer Aided Drafting. Emphasis placed on CAD skill development, 2D CAD use, architectural drafting, schematics, and introduction to 3D CAD drafting.
Grades: 10, 11, 12
Beloit: Memorial

Machine Drafting
Includes units in civil engineering, CAD and Design, materials testing, descriptive geometry, engineering problem solving, advanced auto CAD use, and engineering related careers. Course competencies meet Drafting/Design Youth App. Curriculum
Grades: 10, 11, 12
Beloit: Memorial

Chippewa Valley

School-to-Work * Chippewa Valley

Art

Advanced Computer Graphic Design
Students solve problems by communicating to the public in areas of advertising, product design, illustration, and expression. Students leave with a portfolio suitable for post-graduation plans.
Grades: 10, 11, 12
Cadott

Computer Imagery and Design 10-12
Introduces students to the computer's role as an extension of traditional media. Students study art design, theory, history, and art software. Skills achieved assist students in creating computer images and interpreting today's visual messages.
Grades: 10, 11, 12
Cadott

Business Education

Entrepreneurship
Students learn how to start, manage, and operate their own business. Students develop a small business plan which includes marketing, promotion, risk management, financing, and legal consideration. The course encourages innovative thinking.
Grades: 9, 10, 11, 12
Cadott

Publishing
Introduces students to principles and practice in news and feature story writing. Students produce the school newspaper and submit articles to the local newspaper. Students use software appropriate to publishing industry.
Grades: 10, 11, 12
Cadott

Quality Workforce Training
Students develop essential skills to grow professionally and personally. Class provides opportunities to review and upgrade skills necessary for entry-level positions at work. Personal traits and work ethics necessary for job success are covered.
Grades: 11, 12
Cadott

Family & Consumer Education

Health Class and Food, Family and Society
Students evaluate health habits in an attempt to develop a healthy lifestyle and prevent illness. Students investigate food related concerns, gain an understanding of food attributes/norms, and identify patterns of food consumption in life.
Grades: 9, 10, 11, 12
Cadott

Independent Living
Students use problem solving skills to balance income and expenses with needs and wants. Explores the cost of housing, utilities, food, transportation, clothing, insurance, credit, and skills of budgeting.
Grades: 11, 12
Eau Claire: North

Language Arts

Raider Productions I & II
Teams of students simulate a video production business. Students record, edit, enhance, and manipulate video footage in order to create a marketable product.
Grades: 11, 12
Elmwood

Math

Applied Algebra
Students have an opportunity to learn the basic concepts of algebra with emphasis on application rather than theory.
Grades: 9, 10, 11, 12
Eau Claire: Memorial

Applied Algebra I
Students are introduced to basic algebraic concepts through a problem solving and hands-on approach. Emphasis is on application rather than theory.
Grades: 9, 10, 11, 12
Eau Claire: North

Applied Algebra II
Review of topics from Algebra I as well as the study of topics commonly found in a second year Algebra course.
Grades: 11, 12
Eau Claire: Memorial

Applied Algebra II
Team taught with Tech Ed. Students investigate real-life applications of Algebra. The approach is hands-on, rigorous, problem solving. For students who want a 3rd year of Math and may be going to a tech college or university not requiring Algebra II.
Grades: 11, 12
Eau Claire: North

Applied Geometry
Designed for non-college bound students who desire a background in applied geometry. Topics include points, lines, angles, circles, congruent triangles, parallel lines, perimeter, area, volume, and similar polygons, probability and statistics.
Grades: 10, 11, 12
Eau Claire: Memorial

Applied Geometry
Emphasis is a hands-on approach to the applications of geometry.
Grades: 10, 11, 12
Eau Claire: North

Applied Math
Modules are prepared to develop and refine job related math skills. The emphasis is on the ability to understand and apply functional math to solve problems in the world of work.
Grades: 9, 10, 11, 12
Neillsville

Integrated Math I
Topics from arithmetic, algebra, geometry, and statistics form the foundations of this course.
Grades: 9
Eau Claire: Memorial

Integrated Math II
A continuation course. Topics from arithmetic, algebra, geometry, and statistics form the foundation of this course.
Grades: 10, 11, 12
Eau Claire: Memorial

Integrated Math III
Topics from arithmetic, algebra, geometry, and statistics form the foundation of this course.
Grades: 11, 12
Eau Claire: Memorial

Math (continued)

Math/Science/Technology
Integration of Math, Science and Technology relationships.
Grades: 9, 10, 11, 12
Menomonie

Transportation
A high mileage vehicle is designed using ratios, gears, rpm's, distance, and time.
Grades: 10
New Auburn

Social Studies

Street Law and Economics 12
An introduction to the U.S. legal system which looks at criminal and juvenile justice. Economics prepares students to reason carefully about economic activity, explore career related economics and learn about the role of government.
Grades: 12
Bloomer

Technology Education

CAD
Provides a solid base in the fundamentals of drafting and design.
Grades: 10, 11, 12
River Falls

CADD I
Designed for students to draw a complete set of architectural drawings and build a scaled model of it. Also included are instructions on drawing three dimensionally on a computer. A hand scanner is used for inputting drawings and making corrections.
Grades: 9, 10, 11, 12
Cadott

CADD II
A second level drawing course offered which requires a pre-requisite of CADD I. Upon entry, the student must be able to execute fundamental CADD principles on the computer. Students continue developing skills.
Grades: 9, 10, 11, 12
Cadott

Fox Valley

Fox Valley School-to-Work / Tech Prep Consortium

Agriculture

Agriculture I & III
Curriculum covers the physiological and biological aspects related to many agriculture species such as cattle, hogs, sheep, and horses.
Grades: 9, 10, 11, 12
Little Wolf

Agriculture II
Aspects of agronomy, plant science, and integrated pest management are studied. The class is designed to present these concepts in an Agri-business setting in relation to production agriculture.
Grades: 10, 11, 12
Little Wolf

Agriculture IV
Many Agribusiness and Marketing concepts are explored and used in a practical manner. The Internet is used for practical experience.
Grades: 12
Little Wolf

Business Education

American Enterprise
A Business and Tech Ed course in which students learn basic concepts related to the American Enterprise system. Students start a company, develop products and services, and learn by active participation from capitalization to liquidation. 1/2 cr course.
Grades: 9
Seymour

Computer Applications
Applications of Lotus 1-2-3.
Grades: 11, 12
Stockbridge

Computer Business
Gives students exposure to current business software programs. (i.e. Lotus, Word Perfect, Paradox)
Grades: 10, 11, 12
Little Chute

Information Processing
Business simulations using WordPerfect.
Grades: 9, 10, 11, 12
Stockbridge

Office Procedures
Students prepare for employment in the business world. Students apply office skills in an international business environment through an interdisciplinary simulation.
Grades: 10, 11, 12
Stockbridge

Family & Consumer Education

Child Care II
Students plan programs for children, guide special needs children, and explore careers with young children. Lab is conducted in a local day care.
Grades: 11, 12
Stockbridge

Family & Consumer Education *(continued)*

Consumer Education
Develops skills in independent living, decision making, problem solving, cooperative team work, leadership, consumer math, checkbook keeping, family financial management, resume, interviewing, preparing state and federal income tax returns.
Grades: 12
Stockbridge

General Foods
Students learn about food, nutrition for good health, consumer decisions, food preparation, creative cuisine, and food careers.
Grades: 9, 10, 11, 12
Stockbridge

Professional Cooking
Students learn food service techniques to qualify for entry level positions.
Grades: 9, 10, 11, 12
Stockbridge

Language Arts

Applied Communications
Students actively participate in writing, producing, videotaping, and other technological methods of communications, in addition to studying mass media.
Grades: 11, 12
Wautoma

Desktop Publishing
Students review basic Word Perfect features and apply them in creating newsletters, flyers, pamphlets, and booklets.
Grades: 11, 12
Hilbert

Media and Multimedia
Multimedia activities involve projects through modem research and use of the program Microsoft Power Point.
Grades: 10, 11, 12
Stockbridge

Oral and Interpersonal Communication
Uses AIT materials.
Grades: 12
Winneconne

Word Perfect
Students gain an understanding of the software package, WordPerfect 5.1, by developing business documents involving most of the features and functions of the software.
Grades: 9, 10, 11, 12
Hilbert

Written Communication
Uses applied written competencies.
Grades: 12
Winneconne

Math

Applied Geometry for Technology
Students develop an awareness of geometry skills needed in a technical society. Students gain a working knowledge of geometric concepts as related to technology.
Grades: 10, 11, 12
Oshkosh: West

Applied Math
Uses CORD materials.
Grades: 9
Menasha

Applied Math
Students apply math skills and knowledge related to various vocational applications based on their tentative career choices. One credit.
Grades: 10
Seymour

Applied Math I
Grades: 9
Freedom

Math *(continued)*

Applied Math I & II
Uses CORD materials.
Grades: 9, 10, 11, 12
Winneconne

Applied Math II
Grades: 10
Freedom

Applied Math III
Grades: 11
Freedom

Applied Mathematics for Technology
Students develop an awareness of Math skills needed in a technical society. Designed to give a working knowledge of math concepts as related to technology. Emphasis on estimation, measurement, conversion of fractions and decimals, tables and charts.
Grades: 10, 11, 12
Oshkosh: West

Applied Mathematics I & II
Year long classes connecting basic mathematics skills to real life situations and including special features that provide students with an opportunity to see the value of math in the workplace, and gain an historical/cultural perspective.
Grades: 9, 10, 11
Kaukauna

Business Applications on the Computer
Students gain an understanding of the software package, Lotus 1-2-3, by developing spreadsheets and data bases for many different business situations.
Grades: 9, 10, 11, 12
Hilbert

Math Matters I/IPS
Integrated approach to the study of math. Expands the idea of number sense, algebraic and geometric concepts and statistics and logic. Students use math as a tool for problem solving. The physical science portion explores relationship of matter & energy.
Grades: 9
Wautoma

Tech Math
Applied curriculum extends Algebra and Geometry topics to practical situations.
Grades: 9, 10, 11, 12
Marion

Tech Math II
Advanced level of Tech Math.
Grades: 11, 12
Marion

Technical Math
Students apply math skills and knowledge to technology problems. The course is closely related to technical careers. One credit.
Grades: 11, 12
Seymour

Science

Basic Experimental Biology
A hands-on study of plants and/or animals. Students usually do several experiments at a time. The goal is to learn by reading and experimenting.
Grades: 9, 10, 11, 12
Stockbridge

Applied Physics
Grades: 12
Freedom

ChemCom
Students use societal issues to learn chemistry.
Grades: 10, 11, 12
Wautoma

Environmental Science
Uses CORD materials.
Grades: 10, 11, 12
Winneconne

Social Studies

Civics
One unit is devoted to a service learning project where students contribute their own skills and ideas to their community.
Grades: 10
Stockbridge

Technology Education

Electronics/Electricity
A mostly hands-on study of electric devices detailing how they work and why. Students construct various electronic circuits.
Grades: 9, 10, 11, 12
Stockbridge

Manufacturing Experience
Students work with factory mentors in research/development, estimating, machining, small roller manufacturing, large roller manufacturing, and inspection.
Grades: 11, 12
Stockbridge

Auto Technology I
Introduction to general auto care and maintenance. Students work on their own vehicles or the family car.
Grades: 11, 12
Stockbridge

Auto Technology II
Topics include: the diagnostic tester, tune-ups, engine overhaul and/or replacement, wheel alignment and balance, some steering system repairs, and body repair.
Grades: 11, 12
Stockbridge

Basic Auto Mechanics
Major units of study are engine parts and functions, ignition systems, cooling systems, fuel systems, brakes and basic skills required to properly maintain an automobile.
Grades: 10, 11, 12
Hilbert

Basic CAD
Students apply x y coordinates and major geometry theories to solve drafting problems. Designed to give students the experience of preparing drawings with the computer software Autocad Release 12 program.
Grades: 9, 10, 11, 12
Hilbert

Materials and Processes
Students select one or more areas to study including welding, wood working, small engines, construction, and drafting.
Grades: 9, 10, 11, 12
Stockbridge

Metal Machining
Helps students develop the knowledge and ability to operate all of the machines that are used in a metal fabricating facility.
Grades: 10, 11, 12
Little Wolf

Technology Projects
Students contract to work on projects. Work performed is at an advanced level with tutoring and independent work combined.
Grades: 10, 11, 12
Stockbridge

Gateway School-to-Work Consortium

Agriculture

Commodity Trading & Marketing
Agriculture and Agribusiness management are studied. A commodity challenge activity is a highlight. Commodities covered include grain and animal marketing, future trading, and the basics of agriculture economics.
Grades: 11, 12
Big Foot

Workplace Literacy
One year course in which students learn workplace readiness skills in school and receive credit for working at a local business.
Grades: 12
Waterford

Art

Advanced Computer Techniques in Art - A
Designed for the student that has extensive knowledge of skills and concepts in the applied arts. The computer will be used in both the design and graphics parts of the student's projects.
Grades: 11, 12
Union Grove

Advanced Computer Techniques in Art - B
For students that have extensive knowledge of skills and concepts in the applied arts. The computer is used in both the design and graphics parts of the student's projects.
Grades: 11, 12
Union Grove

Advertising Graphic Arts
One semester course. Students study the use of computers in advertising and publishing.
Grades: 11
Waterford

Business Education

Independent Study
Independent study offers enrichment and advanced activities to study and analyze an area of content designed between the teacher and student.
Grades: 11, 12
Union Grove

Information Processing II
Students learn about information processing, including proofreading, composition, and skill building in speed and accuracy. Students demonstrate knowledge of an information processing software package and decision making in formatting business documents.
Grades: 9, 10, 11, 12
Union Grove

Job Seeking Skills
Students explore careers and locate possible career choices. (Portfolio with resume, letter of application, etc.)
Grades: 11, 12
Elkhorn Area

Family & Consumer Education

Career Exploration
Students begin to acquire, evaluate, interpret, and communicate information. Students begin to identify and experience the necessary steps for entrance into the world of work and develop skills necessary to keep a job.
Grades: 10
Big Foot

Food for Fitness I
Focuses on the relationship of food to health and changing lifestyles. It includes an introduction to nutrition, consumer skills, and basic food preparation.
Grades: 9, 10, 11, 12
Union Grove

Food for Fitness II
Broadens students' understanding of the impact food has on their lives. The diet/health link, cultural heritage and diversity, and career options in the food and nutrition field are covered. Advanced food preparation techniques are studied.
Grades: 9, 10, 11, 12
Union Grove

Health Care Careers
One semester course in which students explore the health care field using hands-on labs and many guest speakers.
Grades: 10
Waterford

Housing and Interiors
Introduces students to the study of architecture and housing designs. Information on color and design principles, floor plans, background furnishings, window treatments, lighting, future housing trends and career opportunities in housing.
Grades: 9, 10, 11, 12
Union Grove

Parenting
A combined study of child development principles with principles of parenting to understand children's needs. Exploration of parental attitudes, skills, and methods of relating to young children. Children of various ages are brought in to observe.
Grades: 9, 10, 11, 12
Union Grove

World of Work/HERO
Teaches employability skills for jobs related to Home Economics. Topics include job applications, resumes, interviews, income taxes, equity, and work relationships. The course is taken at the same time with the HERO Co-op program.
Grades: 12
Park

Health Occupations

Exploring Health Occupations
Students learn about career opportunities in the health field. Education and other requirements for job entry, opportunities for advancement, and career maintenance are explored. Students learn and use medical terminology. They train and certify in CPR
Grades: 11, 12
Kenosha: Bradford

Exploring Health Occupations
Students learn about career opportunities in the health field. Explore education and other requirements for job entry, opportunities for advancement, and career maintenance. Students learn and use medical terminology. They train and certify in CPR.
Grades: 11, 12
Kenosha: Reuther

Health Occupations *(continued)*

Exploring Health Occupations
Students learn about career opportunities in the health field. Education and other requirements for job entry, opportunities for advancement, and career maintenance are explored. Students learn and use medical terminology. They train and certify in CPR.
Grades: 11, 12
Kenosha: Tremper

Language Arts

Applied Communications
Students research, write, and present a report on their prospective career. Activities: applying for a job and a taped mock interview. Students draft a resume, letter of application, and follow-up letter which are critiqued by classmates.
Grades: 11, 12
Union Grove

Effective Communication
Course uses a laboratory method to reinforce reading, writing, listening, and speaking skills.
Grades: 10, 11, 12
Kenosha: Bradford

Effective Communication
Uses a laboratory method where students reinforce reading, writing, listening, and speaking skills.
Grades: 10, 11, 12
Kenosha: Tremper

Speech
One semester course integrating applied uses of public speaking. Includes a multimedia project.
Grades: 10
Waterford

Writing for Publication
Covers various aspects of journalism with emphasis on interviewing, reporting, design, layout, and publication. Students produce materials using desktop publishing and must be dedicated to meeting deadlines. The school newspaper is a completed product.
Grades: 9, 10, 11, 12
Big Foot

Math

Applied Math I
Emphasizes the application of mathematical principles in the context of work-related situations in both problem solving and hands-on activities.
Grades: 9, 10, 11, 12
Elkhorn Area

Applied Math
Semester 1 is a re-introduction of whole numbers, computation, measurement, table/charts/graph, ratio/proportion/percent, formulas, probability, calculators, and problem-solving. Sem II covers Pre-Algebra topics to better prepare students for Algebra I.
Grades: 10, 11
Kenosha: Bradford

Math *(continued)*

Integrated Algebra/Geometry & Applications I
Employs a hands-on approach to learning math and emphasizes basic skills Career applications and technology usage are interwoven throughout the course. Projects, demonstrations and portfolios are used.
Grades: 9
Burlington

Math for Employment I
Applied math concepts with calculator use; problem solving techniques; measurement and estimation; graphic data; charts and tables. Students work with shapes in 2 and 3 dimensions; precision; accuracy and tolerance; powers and roots; formulas.
Grades: 9, 10, 11, 12
Union Grove

Math for Employment II
Uses linear equations; graphing data; non-linear equations; statistics and probability; right triangle relationships and trigonometric functions; factoring, patterns and functions. Includes quality assurance and computer spreadsheets.
Grades: 9, 10, 11, 12
Union Grove

Tech Math II
One year course. Second year in the applied general math cycle.
Grades: 9
Waterford

Science

Chemcom
A lab oriented, issues based Chemistry course introducing the student to chemical principles as they relate to technology, society, and the students' personal lives. Students engage in study and decision making on current topics.
Grades: 11, 12
Union Grove

Forestry & Wildlife
Topics: identification, harvesting procedures, and proper management of trees. Students are in charge of the care and development of the apple orchard. Wildlife habitats, management techniques, and taxidermy are a focus.
Grades: 9, 10, 11, 12
Big Foot

Social Studies

Applied Advanced Economics
One semester course teaching TQM theories, workplace readiness, and use of local business persons as mentors for an entrepreneur project.
Grades: 12
Waterford

Technology Education

Applied Technology I/II
A variety of learning experiences are provided in robotics, aerodynamics, CWC milling, material stress analysis, flight technology, precision measurement, audio/visual communications, and laser technology/power.
Grades: 9, 10, 11, 12
Elkhorn Area

Technology Education *(continued)*

Auto Technician I
Students learn the function, operation, and repair of engines, ignition systems, lubrication systems, fuel systems, cooling systems, and emission controls. Students learn how to improve car performance and operation.Oil changes to fuel injection tune ups.
Grades: 11, 12
Union Grove

Auto Technician II
More time is given to lab activities and the study of front wheel drive, wheel alignment, brakes, computers, air conditioning and tires. Students are given Automotive Service Excellence tests to help them prepare for a career in the auto repair industry.
Grades: 11, 12
Union Grove

Drafting Processes
Students develop the ability to read and understand technical drawings and be aware of the requirements necessary in the operations that a draftsman executes. They learn planning sequence for drafting and demonstrate proper dimensioning. CAD system used.
Grades: 9, 10, 11, 12
Union Grove

Drafting, Architectural
Students study development and history of one- and two-story house plans with DATACAD and computer drafting. Architectural students also develop working drawings. Students study design, structural material, and building codes.
Grades: 10, 11, 12
Union Grove

Drafting, Mechanical
Engineering students develop perspectives and isometric and oblique projection drawings using the CAD system. Students do isometric and projection drawing on regular drafting boards. Second term, students follow development intersection, cams and gears.
Grades: 10, 11, 12
Union Grove

Exploratory Technology
Students gain an overview of the different fields of study that are available in the curriculum such as manufacturing, woods processes, drafting processes, and electricity.
Grades: 9, 10, 11, 12
Union Grove

Exploring Technology
One semester course. Students learn about industry and technology systems as they apply to communications, manufacturing, and transportation.
Grades: 9
Waterford

Fabrication Systems
Fundamentals of ARC and GAS Welding are taught, and the student works on a project. Other facets of welding covered are brazing, cutting, MIG, TIG, blueprint reading, and a project of the student's choice with instructor consent.
Grades: 10, 11, 12
Union Grove

Machine Processes
Topics include basic machine tool measurement, layout and benchwork, blueprint reading, basic lathe operations, milling operations, surface grinding operations and threads-tap and dies. Term 2 is project oriented.
Grades: 9, 10, 11, 12
Union Grove

Machine Systems
Study of lathe operations, milling machines, blueprint reading, CNC mill operations, and preparation for job opportunities. Instruction in grinding operations, metallurgy, and machine processes are provided, as well as foundry and CNC milling operation.
Grades: 10, 11, 12
Union Grove

Technology Education *(continued)*

Wood Processes
Fundamentals in the wood fabrication industry. The safe use of tools, machines, materials, and processes is the main emphasis of this course. Problem solving achievement is accomplished through individual projects.
Grades: 9, 10, 11, 12
Union Grove

Wood Systems
Students study machines and processes used in the production of furniture, cabinetry, and the work of the Finish Carpenter. Emphasis is on furniture design, consumerism, purchasing and industry organization. A project is the end product.
Grades: 10, 11, 12
Union Grove

Lakeshore

Lakeshore Area School-to-Work Consortium

Agriculture

Horticulture & Greenhouse Management
One-year course in which students manage a greenhouse using knowledge of topics such as: plant growth, environmental control factors, plant propagation, commercial crops, plant pathology, and insect control.
Grades: 11, 12
Mishicot

Business Education

Applied Business Skills
One semester course using office simulation techniques applying skills like: notetaking, business communication, business management, computer application, and keyboarding to run a business.
Grades: 11, 12
Mishicot

Starting and Managing a Small Business
Students have an opportunity to design a business plan that could be used as a guide in starting and managing a small business.
Grades: 11, 12
Manitowoc: Lincoln

Careers

Workplace Readiness
One semester course using the AIT curriculum "Workplace Readiness". Covers self-management, teamwork, and problem solving units.
Grades: 9, 10, 11, 12
Cedar Grove-Belgium

Family & Consumer Education

Child Care Careers
Students develop and conduct a play school concentrating on developing lessons for teaching children specific concepts. Work experience is a part of the class.
Grades: 11, 12
Manitowoc: Lincoln

Child Development
One semester course detailing the development of children ages 3-5. Covers day care set-up, regulations, teaching strategies, discipline, etc. Students spend 20+ hours under tutelage of 14 early learning teachers. ACCI license is earned from DHS.
Grades: 10, 11, 12
Sheboygan: South

Family & Consumer Education *(continued)*

Introduction to Health Careers
Provides an opportunity to explore the many employment possibilities in the health care field. Development of basic knowledge and competencies to prepare for entry level jobs and pathways in the health care field.
Grades: 10, 11, 12
Manitowoc: Lincoln

Wellness Eat and Exercise for Life
Classes focus on healthy lifestyles developed through good eating and exercise habits. Students attend food preparation/physical fitness classes on alternate days.
Grades: 10, 11, 12
Manitowoc: Lincoln

Math

Applied Math
Two-year sequence class that focuses on real life application of math problems. Uses lab activities, cooperative learning, and videos with classroom instruction.
Grades: 9, 10, 11, 12
Mishicot

Applied Math
Students prepare a presentation for the community based on a proposal designed by the student and with a request for funding in the manufacturing sector.
Grades: 9, 10, 11, 12
Sheboygan Falls

Applied Math I
A set of modular, competency-based learning materials prepared to help high school students develop and refine job related math skills. Topics covered learning problem-solving techniques, estimating, using ratios and proportions, and scientific notation.
Grades: 9, 10, 11, 12
Howards Grove

Applied Math II
Focuses on practical application of mathematics skills needed in the everyday work world.
Grades: 9, 10
Cedar Grove-Belgium

Applied Math II
Several algebraic and geometric concepts are presented in the course in a non-traditional manner. The 16 units consist of hands-on activities along with several application problems. Topics covered are linear and non-linear equations,
Grades: 9, 10, 11, 12
Howards Grove

Business Communication
One year course focusing on all aspects of communications: reading, writing, speaking, and listening to become effective communicators in the world of work.
Grades: 12
Cedar Grove-Belgium

Science

Tech Physics
Designed to sequence with the Applied Bio/Chem program. The course addresses concepts such as electricity, motion, and friction. Enhances the concepts taught in the Tech Ed class, Tech Futures.
Grades: 11, 12
Cedar Grove-Belgium

Applied Bio/Chem I & II
Integrates Biology and Chemistry into a two year course. The six ABC units are covered during two years.
Grades: 9, 10
Cedar Grove-Belgium

Science *(continued)*

Applied Biology Chemistry I
CORD course integrating the fundamentals of biology and chemistry. This course explores various Science related occupations and societal issues.
Grades: 9
Manitowoc: Lincoln

Applied Biology/Chemistry II
Explores various science-related occupations. Units taught are: plant growth and reproduction, continuity of life, animal life processes, micro-organisms, and synthetic materials. Students learn how to work as a team.
Grades: 10, 11, 12
Manitowoc: Lincoln

Technology Education

Applied Tech
Three-year sequence that incorporates architectural drawing, mechanical drawing, and electricity which leads to hands-on experience. Construction unit applies all theories learned.
Grades: 10, 11, 12
Mishicot

Applied Physics and Chemistry
One year course. Introduces chemical and physical forces and interactions. Gives students a broader base for understanding motion, heat, and electricity in relationship to the real world.
Grades: 11, 12
Mishicot

MATC-Madison

Madison Area Technical College Tech Prep / School-to Work Consortium

Agriculture

Greenhouse Management
Students use their knowledge from Horticulture Science in hands-on work experience. Projects consist of raising poinsettias, mums, Easter lilies, and bedding plants. The course covers aspects of greenhouse management.
Grades: 10, 11, 12
River Valley

Business Education

Business Procedures
Related class that covers skill development for the on-the-job training program.
Grades: 12
Madison: Memorial

Computer Applications
An IBM hands-on class which looks at Microsoft Office, Word 6, Excel 5, Powerpoint 4, Access 2, and Windows 6.1. The Internet will be searched and many other computer features will be explored.
Grades: 10, 11, 12
Madison: East

Desk Top Publishing
A team taught course integrating Graphic Arts.
Grades: 10, 11, 12
Oregon

Free Enterprise
Topics include: businesses in the U.S. and their affect on the economic system; stock market campaigns, careers, and wise consumerism. The last 9 weeks, the class joins the Ind Tech class to manufacture 2 products. Emphasis on marketing and finance.
Grades: 9, 10, 11, 12
Montello Jr/Sr

HERO Employment & HERO CO-OP
HERO provides students the opportunity to explore careers, develop self-confidence, improve communication and decision-making skills, and become more independent.
Grades: 12
Madison: East

Office Procedures
Skills include office machine operation, records management, and office efficiency. Activities include telephone techniques, travel and scheduling, Internet usage, and conducting a job hunting campaign.
Grades: 12
Fort Atkinson

Starting Your Own Business
Students study small business and what is needed to start one's own business. Team taught by a high school instructor along with business, industry, labor, and government people.
Grades: 11, 12
Madison: East

Yearbook
Grades:
Sauk Prairie

Careers

Employability Skills
Students conduct a job search and learn about the attitudes and behaviors necessary for success. Student portfolios are assembled.
Grades: 10
Fort Atkinson

Family & Consumer Education

Careers with Children
Successful completion of this class results in certification as an assistant child care teacher.
Grades: 11, 12
Madison: East

Child Care Assistant
Skills include working with children, safety, sanitation, teaching, and behavior management. Topics include child development, child health, and professional development. Certification class.
Grades: 12
Fort Atkinson

HERO Employment
Related class that covers topics needed to be prepared in the work environment.
Grades: 12
Madison: Memorial

Health Occupations

Certified Nursing
Taught by vocationally certified teachers and a registered nurse. Includes labs and clinicals and the opportunity of certification.
Grades: 11, 12
Madison: Memorial

CNA (Certified Nursing Assistant)
Part of Medical Occupations 2 and completion of MO 1 allows students to participate in this course.
Grades: 11, 12
Madison: East

Current Health
Explores health career fields and the technical skills needed.
Grades: 10, 11, 12
Waterloo

Exercise Physiology with CPR & First Aid
Curriculum includes personal training, CPR, first aid, and muscle mass. Specifically for students interested in athletic training.
Grades: 11, 12
Madison: Memorial

Introduction to Medical Occupations
Students look at health careers and participate in a job shadow experience.
Grades: 9, 10, 11, 12
Madison: LaFollette

Medical Occupations 1 & 2
Provides an overview of issues and concerns including the opportunity to explore career opportunities related to the health care systems.
Grades: 11, 12
Madison: East

Health Occupations *(continued)*

Medical Occupations I & II
Course includes information on medical/health occupations. Students will study trends, terminology, and basic exploratory components. CPR, First Aid, and other certifications included.
Grades: 10, 11, 12
Madison: Memorial

Language Arts

Applied Communications
One semester. Project orientated, hands-on activities addressing the communication skills students need to be successful in life. Team taught. Employs cooperative learning methods involving oral and written communication. Uses technology.
Grades: 12
Westfield

Applied English 3
A locally developed Language Arts curriculum using skills applied to everyday life and the world of work.
Grades: 11
Waterloo

Applied English 4
A locally developed Language Arts curriculum using skills applied to everyday life and the world of work.
Grades: 12
Waterloo

Business Communication
Grades:
Sauk Prairie

Career Workshop
Students identify interpersonal skills and values that lead to success in the work world. They study the expectations of the marketplace and develop job acquisition skills needed for employment. Students explore career options and develop a portfolio.
Grades: 9, 10
Waunakee

Education for Employment
Students learn to write a resume and letters of application.
Grades: 11
Wonewoc

Math

Applied Math
Focuses on arithmetic skills needed in everyday life. Units: manipulation of whole numbers, fractions, decimals, percents, and integers. Also basic units of algebra, geometry, statistics, and probability are integrated with the arithmetic topics.
Grades: 10
McFarland

Applied Math
Designed for students to learn basic algebra and geometry concepts through projects, models, and assignments.
Grades: 10, 11, 12
Pardeeville

Applied Math I
Integrated with Tech Ed. which includes material found in traditional areas of arithmetic, geometry, and algebra. The emphasis remains on the ability to understand and apply functional mathematics to solve problems in the world of work.
Grades: 10, 11, 12
Lodi

Math *(continued)*

Applied Math I
Focuses on the applied aspects of Algebra and Geometry. It includes applications in Agriculture and Agribusiness, Business and Marketing, Health Occupations, Home Economics, and Industrial Technology.
Grades: 10, 11, 12
Jefferson

Applied Math I
Engineering concepts are taught using vocational lab settings. Helps students to integrate their knowledge and transfer it to real world applications.
Grades: 10, 11, 12
Portage

Applied Math I
Develops and refines job related math skills. Focuses on problem solving techniques, estimation of answers, measurement skills, geometry, data handling, simple statistics, and the use of algebraic formulas to solve problems.
Grades: 9, 10, 11, 12
River Valley

Applied Math II
Focuses on the more advanced applications of Algebra and Geometry, as well as Trigonometry.
Grades: 11, 12
Jefferson

Applied Math II
Integrated with Tech Ed. which includes material found in traditional areas of arithmetic, geometry, and algebra. The emphasis remains on the ability to understand and apply functional mathematics to solve problems in the world of work.
Grades: 11, 12
Lodi

Applied Math II
A continuation of Applied Math I. Students study Geometry to Pre-Calculus through hands-on lab work. Designed to help students develop and refine job related math and technical skills.
Grades: 11, 12
Portage

Applied Math II
Continues with modular learning materials. Focuses on problem solving techniques, estimation of answers, solving problems, using formulas, and other functions.
Grades: 10, 11, 12
River Valley

Consumer Math
A practical approach to Math. Topics covered include wages, checking and savings accounts, credit cards, loans, leisure and recreation, buying a house, energy, insurance, and stocks and bonds.
Grades: 11, 12
Fall River

Consumer Math
Skills include balancing a checkbook, calculating sales tax and commissions, and determining unit pricing. Topics include saving, debt, and basic arithmetic.
Grades: 12
Fort Atkinson

Consumer Math
Assignments are designed to have the student receive practical experience in the community. Topics: income, banking services, the federal income tax system, investments, insurance, and budgeting.
Grades: 11, 12
McFarland

Consumer Math
Review of basic computational and problem solving skills with applications to include the metric system, banking, taxes, stocks and bonds, insurance, home/auto purchasing.
Grades: 11, 12
Waterloo

Mathematics
Grades: 9, 10, 11, 12
New Glarus & Middle School

Marketing Education

Marketing Management
Related curriculum to prepare students for the marketing field.
Grades: 12
Madison: Memorial

Starting a Business
A team taught course with the business community that requires a finished business plan.
Grades: 11, 12
Madison: Memorial

Physical Education

Nutrition and Fitness
Nutrition and exercise have significant health benefits which are supported by research. Through F/CE and Phys. Ed labs, students combine nutrition and fitness concepts into an individualized program.
Grades: 11, 12
Portage

Science

Applied Physics
Designed to give students direct applied experiences.
Grades: 11, 12
New Glarus

Applied Physics I
Students learn the technological systems of Physics and the Mathematical relationship between Physics terms. Students are required to make measurements and calculations, experiment and enter them into the computer.
Grades: 10
River Valley

Applied Physics II
Students are introduced to momentum, waves and vibrations, energy converters, radiation, transducers, light and optical systems, and time constraints.
Grades: 11, 12
River Valley

Applied Principles of Biology
All biological principles are connected to everyday, relevant topics.
Grades: 9
Columbus

Molecular Biology
The study of the cellular processes and the biological systems involved in the genetics/heredity of both plants and animals. Topics include lab math and lab techniques, DNA science, microbiology, and gene cloning.
Grades: 10, 11, 12
DeForest

Social Studies

Applied Civics
Course emphasizes the practice of work, leadership, and service within the community. Students select volunteer worksites, attend civic meetings, research and write of experiences, and prepare group and singular presentations.
Grades: 11, 12
Pardeeville

Technology Education

Adv. Design Drafting Tech & Computer Graphics
A study of architectural design, engineering, or computer graphics. Variety of practical problems to solve along with final projects.
Grades: 12
Madison: Memorial

Applications of Technology
Students work in teams in the lab at 15 work stations doing hands-on study activities using state of the art equipment. Students learn self-motivation, the ability to follow printed directions, and computer skills.
Grades: 9, 10, 11, 12
River Valley

Architectural Design Drafting
Student-designed residence which works with contemporary living and normal structure. Work is critiqued by a professional architect.
Grades: 11, 12
Madison: Memorial

Art and Technology
Students are introduced to video editing and production skills. Students use a variety of equipment including a video mixer, title maker, edit controller, and computers. Provides creative and technical exploration of visual communication and image .
Grades:
River Valley

Design Drafting & Computer Graphics
Hands-on drawing techniques with computer graphics programs. Areas include mechanical and civil engineering, architectural design, and computer graphics. Software includes Auto Cads and Autodisk.
Grades: 9, 10, 11, 12
Madison: Memorial

Engineering Design Drafting
Students learn about engineering fields through active problem solving and graphic solutions.
Grades: 10, 11, 12
Madison: Memorial

Industrial Tech
The study of manufacturing. Students form a company and produce a product to sell. The goal is to study different fields of work so students can make wise career choices.
Grades: 9, 10, 11, 12
Montello Jr/Sr

Mid-State

Mid-Wisconsin School-to-Work Partnership

Business Education

Information Processing (Office Practice)
Skills taught include making rational economic decisions about employment, spending, savings, and participation in a private enterprise.
Grades: 12
Auburndale

Human Relations
Students participate in workplace scenarios to solve problems, work in teams, and manage time and resources.
Grades: 10, 11, 12
Marshfield

Word Processing
Students develop better skills to help them survive in the real world using every day applications.
Grades: 10, 11, 12
Auburndale

World of Work
Required for students who are involved in supervised work experience. Students work on job applications, resumes, interview strategies, job responsibilities, ethics in the workplace and communication skills.
Grades: 12
Auburndale

Family & Consumer Education

Child Development
Topics covered are pregnancy, pre-natal care, infant, toddler and pre-schooler development, children with handicaps, divorce, food and nutrition for children, discipline, child abuse, and learning through play.
Grades: 10, 11, 12
Auburndale

Consumer Education
Students learn to become educated and wiser consumer's in today's free enterprise system.
Grades: 11, 12
Adams-Friendship

Faceing the Future
Prepares students to live on their own. Units include money, insurance, buying cars, rent, banking, etc. Students develop skills to beome better workers and family members.
Grades: 11, 12
Granton

Math

Applied Technical Computation
Prepares students for job related mathematical applications in agricultural, home economics, medical, business, and technological career areas. Textbook and hands-on activities are provided.
Grades: 11, 12
Auburndale

Algebra 1TP
Hands-on approach with materials prepared to help students develop and refine job-related math skills.
Grades: 9, 10
Stevens Point Area

Math *(continued)*

Algebra 2TP
Hands-on approach with materials prepared to help students develop and refine job-related math skills.
Grades: 10, 11
Stevens Point Area

Applied Mathematics I
Focuses on overcoming math anxiety through videos and hands-on lab activities. Units include calculator usage, problem solving techniques, estimating answers, measuring in English and Metric units, graphs, charts and tables and dealing with data.
Grades: 9, 10, 11, 12
Tri-County

Applied Mathematics II
Uses videos and hands-on laboratory activities to assist student learning of various math concepts. Units include: using sign numbers and vectors, scientific notation, solving problems that involve linear equations, graphing data, working with statistics
Grades:
Tri-County

Math 2001
Uses CORD materials.
Grades: 12
Pittsville

Math II
Intro to Algebra applied to the world of work using CORD materials.
Grades: 9, 10, 11, 12
Port Edwards: John Edwards

Math III
Basic Algebra/ Geometry applied to the world of work using CORD materials.
Grades: 9, 10, 11, 12
Port Edwards: John Edwards

Technical Mathematics
A hands-on course designed to help students develop and refine job-related mathematics skills.
Grades: 10, 11, 12
Adams-Friendship

Science

Natural Resources
Vital natural resources are identified while important uses and conservation are highlighted. Includes a study of soils, a soil survey, practices, and conservation management. Legal land descriptions are also explored.
Grades: 10, 11, 12
Granton

Physics 1-2
Motion, forces, energy, momentum, static electricity, and light and wave motion are studied. Application of physics concepts to everyday experiences, through laboratory and demonstration activities is emphasized.
Grades:
Stevens Point Area

Physics 3
Reviews physics concepts in new situations and explores fluid flow, laser holography, electricity/electronics, and modern physics. Problem solving and process oriented, using investigations to learn about or apply the concepts of physics.
Grades:
Stevens Point Area

Science Technology & Society Problem Solving
Students learn the basics of problem solving using a variety of hands-on projects. Explores the effect advances have on society.
Grades: 11, 12
Auburndale

Technology Education

Communications I & II
Graphics Arts courses designed to give students hands-on experience in the field of graphics. Running a print shop is incorporated into this class.
Grades: 10, 11, 12
Auburndale

Drafting Technology
Teaches the concepts of drafting.
Grades: 10, 11, 12
Auburndale

MATC-Milwaukee

Milwaukee Area Technical College / K-12 School District Consortium

Art

Commercial Art/Graphic Design
Students receive an overview of commercial art careers, develop design and composition skills and study color theory and production techniques. The class simulates a commercial art studio; students work on projects for the community and school.
Grades: 11, 12
Cedarburg

Business Education

Business Concepts
Introduction to forms of business ownership, investments, finance, insurance, and ethics.
Grades: 9, 10, 11, 12
Wauwatosa: East

Business Concepts
Introduction to forms of business ownership, investments, finance, insurance, and ethics.
Grades: 9, 10, 11, 12
Wauwatosa: West

Business Law
Understanding law as applied to everyday activities such as contracts, property, and wills.
Grades: 9, 10, 11, 12
Wauwatosa: East

Business Law
Understanding law as applied to everyday activities such as contracts, property, and wills.
Grades: 9, 10, 11, 12
Wauwatosa: West

Consumer Education
Provides students with the knowledge and skills to make better decisions in guiding their personal finances. Topics include decision making in managing money, using credit, buying a car, filing an income tax return, and evaluating advertising.
Grades:
Germantown

Desktop Publishing
Teaches students how to lay out text and graphics using the MacIntosh environment. Students use Claris Works and Aldus Pagemaker. Students participate on the student newspaper and publish the yearbook.
Grades:
Germantown

Employment Skills
One semester. Prepares students for planning and finding jobs. Students become aware of their skills and interests and how they relate to employment, preparing a resume and letter of application. The do's and don'ts of an interview are practiced.
Grades: 10, 11, 12
Oak Creek

IBM and MacIntosh Computer Applications
These are two separate classes with similar instructional goals using computer environments. Students learn Wordperfect, Lotus 1-2-3 spreadsheet, and Claris Works.
Grades:
Germantown

Business Education *(continued)*

Journalism/Newspaper
Students participate in producing the school newspaper.
Grades: 9, 10, 11, 12
Cudahy

Practical English
Grades:
Germantown

Principles of Banking
(Provided by Bank One) Sections of the "How to Do Your Banking" curriculum are used to provide real world applications of banking skills both as a consumer and as a banking employee. Skills covered are budgeting, ATM use, checking, and the credit game.
Grades: 11, 12
South Milwaukee

Computers

Computer Concepts 2
The improvement of problem analysis skills and the development of advanced programming techniques are emphasized. Topics include programming in BASIC using special functions, 1 and 2 dimensional arrays, data files, binary and hexadecimal number systems.
Grades: 10, 11, 12
Cedarburg

Family & Consumer Education

Parenting
The "Benevolence Project" requires students to analyze the gap between what does exist and what should exist regarding parent-child relations.
Grades: 10, 11, 12
South Milwaukee

Certified Nursing Assistant
One semester course providing the opportunity to earn the State of Wisconsin nursing assistant certification through both classroom and clinical experience in a health care facility.
Grades: 11, 12
Milwaukee: South Division

Chef Foods
Designed to expose students to careers in the food industry. Students experience hands-on applications of a variety of food service operations.
Grades: 9, 10, 11, 12
Wauwatosa: West

Child Development 2
Course concepts learned are applied during playschool program for 4 and 5 year olds. Students completing the course with a "C" and 85% attendance earn certification from the WI DPI for completion of the Assistant Child Care Program.
Grades: 11, 12
Cedarburg

Food & Fitness
The foods portion of the "Food and Fitness" course. Both active people and those who wish to be active benefit from food lab experiences, food selection information and sports nutrition that fit life-long personal fitness.
Grades: 11, 12
West Allis: Hale

Family & Consumer Education *(continued)*

Gourmet Chef
Students perform actual catering projects for various groups. Students also simulate the operation of a restaurant.
Grades: 9, 10, 11, 12
South Milwaukee

Independent
Units designed to help students learn practical skills to successfully care for themselves when they are living independently. Focus on consumerism.
Grades: 11, 12
Greendale

Independent Living
Uses community based organizations, businesses and community members to prepare students for life and work.
Grades: 11, 12
Wauwatosa: East

Independent Living
Uses community based organizations, businesses and community members to better prepare students for life and work.
Grades: 11, 12
Wauwatosa: West

Interior Design
Students explore the world of interior design by developing skills used in the field. Students prepare color, texture plates, and rendering projects. Architectural drawing by hand and computer are introduced. Interior design is "project-oriented."
Grades: 11, 12
Cedarburg

Foreign Language

French 1-4, Spanish 1-4, German 1-4
Integrates the Scola network of foreign language television broadcasts in order to strengthen listening skills in the target language and heighten student awareness of international events and concerns.
Grades: 9, 10, 11, 12
Cudahy

Interior Design
Simulated projects require the students to choose one of two employee projects: Students prepare and present a sales plan for an office interior or a floor plan and cost analysis for a home. (CAD generated elevations and floor plans.)
Grades: 9, 10, 11, 12
South Milwaukee

Parenting and Child Development
Class activities, speakers, and community experiences provide parenting skills.
Grades: 10, 11, 12
Wauwatosa: East

Parenting and Child Development
Class activities, speakers, and community experiences provide parenting skills.
Grades: 10, 11, 12
Wauwatosa: West

Teaching and Working with Young Children
District schools and day care centers provide the opportunity for students to work directly with teachers and children.
Grades: 10, 11, 12
Wauwatosa: East

Teaching and Working with Young Children
District schools and day care centers provide the opportunity for students to work directly with teachers and children.
Grades: 10, 11, 12
Wauwatosa: West

Health Occupations

Advanced Independent Research
Provides a variety of medical setting work-based opportunities for seniors who wish to experience scientific research.
Grades:
Wauwatosa: East

Advanced Independent Research
Provides a variety of medical setting work-based opportunities for seniors who wish to experience scientific research.
Grades:
Wauwatosa: West

Certified Nursing Assistant
Uses authentic skills assessment and is team taught with an R.N. Students apply knowledge and skills in school based learning and during clinical experience at a health care facility. This is the first semester school-based portion of the Health YAP.
Grades:
Wauwatosa: East

Certified Nursing Assistant
This course uses authentic skills assessment and is team taught with a R.N. Students apply knowledge and skills in school based learning and during clinical at health care facility. This is the first semester school-based course for the health YAP.
Grades:
Wauwatosa: West

Certified Nursing Assistant/Health & Human Services
Prepares students for employment as an entry-level bedside caregiver in health care facilities. Focuses on basic skills and procedures needed to assist hospital clients and nursing home residents. On-the-job training in a hospital or nursing home.
Grades: 11, 12
Oak Creek

Community CPR & First Aid
Teaches adult, child, and infant CPR skills as well as general first aid skills.
Grades: 10
Greendale

Nursing Assistant
Prepares students for employment as entry level bedside caregivers in a health care facility. Instruction focused on first aid certification and passing the Wisconsin Nursing Assistant exam. RN will supervise the on-the-job training.
Grades: 11, 12
Cudahy

Language Arts

English I
Implemented applied units into the curriculum. Topics include: marketing and advertising, hands-on assembly, instructional writing, and preparation with the media.
Grades: 9
Ozaukee

English II
Technical and instructional writing; marketing and advertising; resume writing; and hands-on assembly.
Grades: 9, 10, 11
Ozaukee

English III
Units focus on career choices and job searching. Students are able to revise and up-date resumes and job shadow businesses.
Grades: 10, 11, 12
Ozaukee

Language Arts
Units of instruction provided at each grade level connect the curriculum to a variety of career activities.
Grades: 9, 10, 11, 12
Saint Francis

Language Arts *(continued)*

Literature and Composition II
Incorporates Applied Communications curriculum, career awareness; and life skills orientation.
Grades: 11
Port Washington

Oral Communication
Students learn how to communicate appropriately in a variety of real-life settings. Additionally they learn interpersonal communication skills like problem-solving and conflict negotiation necessary to function successfully in small group situations.
Grades: 10, 11, 12
Cedarburg

Practical English
Applies reading, writing and speaking skills to employment. Integrates these skills with hands-on activities in building and assembling, foods preparation, auto-maintenance, and other technical subjects.
Grades:
Germantown

Research and Development 9 & 10
Students learn the process of research and development which prepares them for work in industry, government, and education. Students use technology to access information from world-wide sources. Present findings using multimedia technology. LA & SS
Grades: 9, 10
Milwaukee: Washington

Math

Algebra
Topics: modeling of real world problems; use of calculators, computers, and CBL units; data collection activities.
Grades: 9, 10
Greendale

Applied Algebra I, II
Uses CORD materials. Designed to prepare students to enter vocational and technical careers. Math is made relevant by showing how it is used in the world of work. Applications from many occupational areas are included.
Grades: 9, 10, 11, 12
Oak Creek

Applied Integrated Math
Incorporates exclusive use of applied curriculum.
Grades: 9, 10, 11
Port Washington

Applied Math 1-2
Students have an opportunity to investigate uses of elementary mathematics in practical situations with an emphasis on developing and refining job related skills.
Grades: 9, 10, 11, 12
Whitefish Bay

Applied Math 3-4
Integrates algebra, geometry and statistics with an emphasis on consumer related skills.
Grades: 9, 10, 11, 12
Whitefish Bay

Communication Systems
Uses modular teaching methods and covers 18 different modules such as DTP, CAD, CAM and robotics
Grades: 9, 10, 11, 12
Greendale

General Math
Incorporates selected CORD units.
Grades: 9
Cudahy

Geometry
Incorporates selected CORD units.
Grades: 9, 10, 11
Cudahy

Honors Advanced Algebra and Trigonometry
Topics: modeling of real world problems; use of calculators, computers, and CBL units; data collection activities.
Grades: 10, 11
Greendale

Math *(continued)*

Math Studies II
Focuses on higher order math concepts and applications to real-world situations. The curriculum for this course is very project oriented.
Grades: 11, 12
Milwaukee: Rufus King

Probability & Statistics
Two semesters. Covers the language and methods of probability and statistics in sociology, business, ecology, economics, education, medicine, psychology, and mathematics. Critical thinking and higher order reasoning are practiced.
Grades: 11, 12
Grafton

Physical Education

Physical Education
Emphasis on non-competitive lifetime fitness that is fun and attainable. Students learn how to assess their fitness and maintain or improve it. Activities: biking, in-line skating, racquetball, weight training, swimming and cross country skiing.
Grades: 11, 12
West Allis: Hale

Science

Applied Biology/Chemistry
Students are introduced to the Allied Health/Human Services area. Includes basic anatomy and physiology, biochemistry, biotechnology, DNA cell processes, disease and wellness, life processes, micro-organisms, and nutrition.
Grades: 11, 12
West Allis: Central

Applied Biology/Chemistry
Students learn the basics needed for introduction into the Allied Health/Human Services area. Includes basic anatomy and physiology, biochemistry, biotechnology, DNA cell processes, disease and wellness, life processes, micro-organisms, and nutrition.
Grades: 11, 12
West Allis: Hale

Applied Technology
Introduces specific knowledge about how mechanisms and forces of the world are related.
Grades: 11, 12
West Allis: Central

Biology
Uses applied methodology and technology.
Grades: 10
Cudahy

Earth Science - Accelerated
One semester course including a 7-8 week unit of water quality testing on Cedar Creek and an association with 30 other high schools located within the Milwaukee River watershed. Other topics are ground water, plate tectonics, mappings, and space science.
Grades: 10, 11, 12
Cedarburg

Environmental Science
Emphasis is placed on an aquatic ecology project involving testing water quality and discovering relationships among aquatic organisms. This project involves extensive lab and field work.
Grades: 11, 12
Cedarburg

Science *(continued)*

Introduction to Health Careers
Students learn about the variety of careers in the Allied Health/Human Services area. Focuses on career opportunities requiring 1 to 4 years of post-secondary education.
Grades: 11, 12
West Allis: Central

Introduction to Health Careers
Students learn about the variety of careers in the Allied Health/Human Services area. Focuses on career opportunities requiring 1 to 4 years of post-secondary education.
Grades: 11, 12
West Allis: Hale

Physical Science
Use applied methodology and technology.
Grades: 9, 10
Cudahy

Physics
Students investigate the properties and laws of the physical world. Topics include light, sound, electricity, magnetism, motion, heat, and states of matter. Students become involved in projects and competitive events throughout the year.
Grades: 11, 12
Cedarburg

Technical Physics
Study of motion and energy and application to tasks. Students study science principles which directly influence these practical tasks and phenomena.
Grades: 11, 12
West Allis: Central

Social Studies

Law & You
Students participate in competency building activities so they can analyze, evaluate, and in some cases, resolve legal disputes. Students prepare some short community-based projects with social agencies, lawyers, and police officers.
Grades: 11, 12
Cedarburg

Technology Education

Applied Manufacturing
Students learn about facets of the manufacturing industry. Topics: precision measuring, research and design, computer controlled machining, CAD, desktop publishing, pneumatics, robotics, plastics, electronics, simple machines, aerodynamics, and safety.
Grades:
West Allis: Central

Architectural Drafting and Design
Students learn about drawing plans for houses and light commercial buildings such as a dentist's office as well as commercial structures. The design process includes floor plans, elevations, detail drawings, energy analyses and material specification.
Grades: 11, 12
Cedarburg

Technology Education *(continued)*

Architectural Drafting I
Students develop floor plans, heating, electrical and plumbing plans, exterior and interior elevation views, and a two point perspective view on a house of the student's choice. Students apply building codes and graphic symbols.
Grades: 10, 11, 12
Germantown

Architectural Drafting II
An advanced course addressing commercial design, students plan and prepare a complete set of working drawings of their choice structure. In addition to this planning, they produce a scale model of either design created in Architectural Drafting I or II.
Grades: 11, 12
Germantown

Auto Mechanics I
Introduces students to the automotive industry and various auto parts and subsystems. Includes a study of the four stroke cycle engine operations as it pertains to the automobile, basic diagnostic and service procedures and safe use of tools.
Grades: 10, 11, 12
Germantown

Auto Mechanics II
Advanced diagnostic equipment and repair procedures are used in a realistic lab situation. Course content deals with the operational theory of various subsystems of the automobile. Emphasis is on engine rebuilding and computer diagnostics.
Grades: 11, 12
Germantown

Blueprint Reading
Semester. Students interpret working drawings to gather job information, learn shapes, sizes, materials, construction details, and other job notations along with various standardized symbols. Workbooks for basic blueprint reading and sketching used.
Grades: 9, 10, 11, 12
Germantown

Building Construction Systems
Activities include building a full scale model while working with materials and tools used in many building trade areas. Topics include surveying, carpentry, masonry, plumbing, electrical and drywall.
Grades: 11, 12
Germantown

Careers in Automotive Technology
Teaches entry-level skills in automotive servicing. The class environment simulates an automotive shop.
Grades: 12
Cedarburg

Communications Technology
Students are introduced to several forms and processes of communication. Units include the satellite system, video production, desktop publishing/offset printing, screen printing, computer illustration, C.A.D., electronics, lasers, and more.
Grades: 9, 10, 11, 12
Germantown

Computer Aided Drafting
C.A.D. introduces students to versatility, speed and characterisitics of C.A.D. software. Drawings are created and plotted following detailed instructions on the use of the program.
Grades: 9, 10, 11, 12
Germantown

Construction Technology
Through the use of woodworking materials, equipment and techniques, students are given the opportunity to apply their knowledge by constructing small projects. Safety in machine operations and working together in a group are strongly emphasized.
Grades: 9, 10, 11, 12
Germantown

Technology Education *(continued)*

Consumer Auto Service
Designed to acquaint students with various aspects of the automobile: purchase, operation, basic maintenance repair and cost of operation. Special attention is given to learning safe machine operations and procedures.
Grades: 11, 12
Germantown

Electricity and Electronic Communications
Students are introduced to basic electrical theory and the process of distributing electricity. Electrical circuits for houses are designed, built, and tested. Develops test equipment skills for service technicians and engineers.
Grades: 11, 12
Cedarburg

Film and Television
Examines the technical side of film and television through a "hands on" studio experience. Students learn the operation of studio equipment and write and produce their own videos.
Grades: 9, 10, 11, 12
Cudahy

Industrial Drafting and Design
Teaches skills required by draftpersons and problem-solving techniques. Units include screw threads and fasteners; detail assembly drawings; sheet metal developments while using small group work.
Grades: 11, 12
Cedarburg

Machine Shop I
One year course covering basic theory, operation, and practices. Emphasizes basic machining skills and attitudes. Topics include shop math, measurement, tool sharpening, machine set up and operation of metal lathes, milling machines and introduction to CAD.
Grades: 10, 11, 12
Germantown

Machine Shop II
One year. Accuracy of work, working from mechanical drawings and problem solving are stressed. Lab work includes review of basic machining skills plus new skill development in internal thread cutting, boring, cutting of spur gears, index head usage.
Grades: 11, 12
Germantown

Residential Construction
Students construct usable projects such as storage buildings and study concrete work, concrete block, plumbing, and drywall finishing. Students learn to use the transit to survey parcels of ground and the computer to do energy audits and simulations.
Grades: 11, 12
Cedarburg

Technical Drafting I
An introductory course to board drafting which covers drawing of the following types: orthographic projections, isometrics, oblique, sectioning, auxiliary views, threads and fasteners and lettering.
Grades: 10, 11, 12
Germantown

Technical Drafting II
Semester course. Students learn development and intersection, cams and gears, electrical, architectural, map, welding, and production drawings, product design, and descriptive geometry.
Grades: 10, 11, 12
Germantown

Moraine Park

Moraine Park Partnership

Agriculture

Art
Activity: "duck stamp" contest which integrates Art and Agriculture.
Grades: 9, 10, 11, 12
Horicon

Landscaping & Greenhouse Management
Students study horticulture i.e. basic plant care & maintenance, vegetable production, fruit production, landscaping, turf management. Students study plant identification, fertilization, watering, pruning, harvesting and storing crops.
Grades: 11, 12
Hartford

Art

Art
A community service mural painting at Clearview integrating Art and Science.
Grades: 12
Horicon

Advanced Studio Production
Advanced work in the area of studio production. Work on school publications is done by members of this class. The advanced group has the primary responsibility for designing, writing, and publishing the high school annual.
Grades: 12
Princeton

Studio Productions
Students work on the school's publications using desktop publishing. Other units include: advertising sales, layout, photography, and interview skills. Students publish a monthly newspaper and work in a small business setting.
Grades: 9, 10, 11, 12
Princeton

Visual Communications I/II
Art as applied to advertising display, audiovisual techniques, and television production. A student publication is produced that includes graphic production, photography and copy. Electronic imaging on a computer graphics system and TV studio production.
Grades: 9, 10, 11, 12
Princeton

Business Education

Advanced Computer Application
Provides opportunities for applying wp, database, and spreadsheets. Opportunities are available to learn communications, use the internet, and cover basic desktop publishing applications.
Grades:
West Bend: East

Advanced Computer Application
Provides opportunities for applying wp, database, and spreadsheets. There are opportunities to learn communications, use the internet, and cover basic desktop publishing applications.
Grades:
West Bend: West

Business Education *(continued)*

Applied Economics
Students learn economic principles to prepare to be wage earners, business owners, etc. Units include: national income and controls.
Grades: 11, 12
Princeton

Operating Systems Plus-Tech Prep
Students learn to operate electronic calculators, apply Business Math applications and transcribe dictated materials at the computer.
Grades:
West Bend: West

Operating Systems Plus/Tech Prep
Students learn to operate electronic calculators, apply Business Math applications and transcribe dictated materials at the computer.
Grades:
West Bend: East

Accounting III
An independent study course for students who have completed Accounting I and II. It is intended for students who plan to enter the accounting/ finance field. Course content includes managerial accounting, cost terms, cost behavior and systems design.
Grades: 12
Hartford

Business Principles
Students learn basic concepts of management, entrepreneurship, and the characteristics, organization, and operation of business as a major sector of the economy. A major project is running the school store.
Grades: 11, 12
Berlin

Business Procedures
Students refine professional skills in office work including professional attitude, image, telephone applications, mail services, time management and job techniques needed to be competitive in the world job market.
Grades:
West Bend: East

Business Procedures
Students refine professional skills in office work including professional attitude, image, telephone applications, mail services, time management and job techniques needed to be competitive in the world job market.
Grades:
West Bend: West

Computer Applications
Provides students with a background in computer literacy concepts. Students learn word processing, database, and spreadsheet software.
Grades: 10, 11, 12
West Bend: East

Computer Applications
Provides students with a basic background in computer literacy concepts. Students learn word processing, database, and spreadsheet software.
Grades: 10, 11, 12
West Bend: West

Entrepreneurship
Students research, develop, and apply for appropriate financing for their own business.
Grades: 11, 12
Slinger

Entrepreneurship
Students study aspects of starting and successfully operating a small business. Topics include: the profile of an entrepreneur, marketing decisions, structuring a small business, financing, management and the development of a business plan.
Grades:
West Bend: East

Entrepreneurship
Students study aspects of starting and successfully operating a small business. Topics include: the profile of an entrepreneur, marketing decisions, structuring a small business, financing, management and the development of a business plan.
Grades:
West Bend: West

Business Education *(continued)*

Marketing I
Introduces students to the world of marketing products and services. Emphasis placed on purchasing, pricing, promotion, product planning, and entrepreneurship. Students apply management and decision-making skills in the school store.
Grades: 10, 11, 12
Hartford

Professional Design & Publishing
Students become acquainted with graphic design techniques, principles of page layout and design, and desktop publishing terminology and applications. Students create documents such as flyers, brochures, and newsletters, using entry-level skills.
Grades: 11, 12
Hartford

Speed Writing Tech Prep
Speedwriting is an alphabetic shorthand system. Designed for students wanting to learn notetaking skills for personal and professional use.
Grades:
West Bend: West

Speed Writing/Tech Prep
Speedwriting is an alphabetic shorthand system. Students learn notetaking skills for personal and professional use.
Grades:
West Bend: East

Word Processing/Production
Students develop production proficiency using wp software. Introduces students to macros, forms, columns and document assembly. Students develop communication abilities and skills in fonts and graphics.
Grades:
West Bend: West

Word Processing/Production/Tech Prep
Advanced word processing skills to help students develop production proficiency using wp software. Introduces students to macros, forms, columns, and document assembly. Students develop communication abilities and skills in fonts and graphics.
Grades:
West Bend: East

Workplace Readiness
Students learn to apply concepts in self-management, team work, and problem solving to real life work situations. Emphasis is on computer technology for making career selections (WCIS) and verbal and written communications.
Grades: 10
Horicon

Family & Consumer Education

Culinary Arts I
Explores a variety of different preparation methods including from scratch to convenience foods. Skills learned throughout the course can be used for everyday life and for preparation for food occupations
Grades: 10, 11, 12
Hartford

Culinary Arts II
Helps students discover their talents working with food. Activities include field trips, speakers and food demonstrations from the industry. Exploration of foods used in entertainment, entrepreneurship, and the food service industry.
Grades: 11, 12
Hartford

Family & Consumer Education *(continued)*

Food Service
A comprehensive look at the skills required to function in all areas of a restaurant. Includes units on: employability skills, nutrition, meal planning, sanitation and safety, purchasing and receiving, human relations, management and dining room service.
Grades: 12
Princeton

Intro to Hospitality Services
Students learn about Hospitality Services which includes hotels, restaurants, and tourism. Students run their own restaurant and get a chance to do job shadowing in the career of their choice.
Grades: 9, 10
Hartford

Child Care Services
Teaches child development, safe and stimulating environments, and other aspects of child care. Students work with children and visit centers. State certificate possible. Careers: working with children in a day care, home setting, or as a nanny.
Grades:
Waupun

Child Development
Child development from prenatal to age six. Readiness for parenting, parenting skills, related careers, and a child's physical, emotional, intellectual, and social growth are all examined. All students submit a research paper and experience a practicum.
Grades: 11, 12
Princeton

Food Service I
For students who wish to obtain employment in the food service industry. Students learn the concepts of meal planning, the importance of nutrition, the necessity for cost control, and the assurance of sanitation in meal preparation.
Grades: 9, 10, 11, 12
Berlin

Food Service I
Students learn the basics of food service and food preparation while working in the school's student restaurant. Includes competencies for safety and sanitation.
Grades: 11, 12
West Bend: East

Food Service I/Tech Prep
Students learn the basics of food service and food preparation while working in the school's student restaurant. The course includes competencies for safety and sanitation.
Grades: 11, 12
West Bend: West

Parenting and Child Care Skills
Students who meet the requirements earn the DPI Assistant Child Care Training certificate.
Grades: 12
West Bend: East

Parenting and Child Care Skills-Tech Prep
Students who meet the requirements earn the DPI Assistant Child Care Training certificate.
Grades: 12
West Bend: West

Vocational Food Service
Students are trained in short order cooking and prepare for jobs in the food service industry. Students work in the school restaurant, plan and cost the menu, plan daily soups and specials, and complete all prep work for each week's restaurant opening.
Grades: 12
West Bend: East

Vocational Food Service/Tech Prep
Students are trained in short order cooking and prepare for jobs in the food service industry. Students work in the school restaurant, plan and cost the menu, plan daily soups and specials, and complete all prep work for each week's restaurant opening.
Grades: 12
West Bend: West

Health Occupations

Health Services Mentorship
Students participate in a work experience for a minimum of 10 hours per week. Students also participate in a weekly seminar with the instructor.
Grades: 12
West Bend: East

Health Services Mentorship
Students participate in a work experience for a minimum of 10 hours per week. Students also participate in a weekly seminar with the instructor.
Grades: 12
West Bend: West

Language Arts

College Writing
Emphasis on sentence structure, learning the structure of college papers, critical thinking and group problem solving. Major speech patterns are covered. A research project includes electronic data base searching and university library use.
Grades: 12
Princeton

Leadership in Community Programs
A team taught course focusing on community and school involvement, leadership styles, public relations, and practical leadership experiences. Students spend time outside of class performing community service, and volunteer activities (15 + hours).
Grades: 10, 11, 12
Princeton

Vocational Skills
Designed for the work bound student pursuing a good job. Areas covered include: seeking employment, job hunting, the job interview, and how to keep a job. Application letters, resumes, follow-up letters, and other job related writing skills are studied.
Grades: 11, 12
Princeton

English 12
Incorporates modules from Communication 2000 which are used to explore communication, listening and speaking in the workplace, self-management, goal setting, and team communication.
Grades: 12
Laconia

Mass Media
Write articles for the school newspaper with Composition I classes. Desktop publishing prints and produces copies for the student body.
Grades:
Dodgeland

Oral/Interpersonal Communication Tech-Prep
Students analyze communications, encode and decode written and spoken messages, outline, organize, and deliver speeches (including informative, persuasive, and demonstrative). Also emphasizes communicating in the work place.
Grades: 11, 12
West Bend: West

Oral/Interpersonal Communication/Tech Prep
Students analyze communications, encode and decode written and spoken messages, outline, organize, and deliver speeches (including informative, persuasive, and demonstrative). Added emphasis given to communicating in the work place.
Grades: 11, 12
West Bend: East

Oral/Interpersonal Communications
Covers speaking, nonverbal communications, communication obstacles, and listening skills as they are encountered in the work setting.
Grades: 12
Waupun

Written Communications
A college level introductory writing course in which students learn the writing process and practice a variety of writing skills. Students develop 5 to 7 major written pieces using real world or job related applications.
Grades: 12
Waupun

Math

Applied Math
CORD materials used. Units are integrated into the curriculum and some CORD labs are used.
Grades: 11, 12
Hustisford

Consumer Math
One semester course covering topics related to real world situations. Topics include banking, budgets, credit, income, insurance, investments, purchasing, and taxes. Computational skills are strengthened throughout the course.
Grades: 11, 12
Princeton

Algebra I & II
Applications to real life situations are incorporated into coursework on a regular basis.
Grades:
Dodgeland

Applied Integrated Math I
Practical applications of mathematics with emphasis on life skills.
Grades: 10, 11, 12
New Holstein

Applied Integrated Math II
Practical applications of mathematics with emphasis on life skills.
Grades: 10, 11, 12
New Holstein

Applied Math 1-2-3
Provides a bridge between the theory of Math and the application of this theory to solve everyday problems.
Grades: 10, 11, 12
Campbellsport

Applied Math I
One year course Focuses on arithmetic operations, problem solving techniques, estimation of answers, measurement skills, and simple statistics. Math geared towards everyday practical problems.
Grades:
Laconia

Applied Math I/II
Basic arithmetic operations are reviewed and used with Algebra, Geometry, and Statistics. Computers are used for graphing and spreadsheets to solve problems in Health Occupations, Home Economics, Business & Marketing and Agriculture.
Grades: 9, 10, 11, 12
Princeton

Applied Math II
One year course includes Trigonometry, Algebra, probability, and spreadsheets. Hands-on activities are used, and problem solving is emphasized.
Grades:
Laconia

Applied Technical Math A & B
Units include: calculator skills, problem solving techniques, measurement, data and statistics, ratio & proportion usage, algebra applications, geometry applications, trig, quality control, and machine control. Scientific calculator used.
Grades:
Waupun

Integrated Applied Math I
Students refine and develop job related math skills and apply mathematics to solve problems. Topics covered include: using graphs, charts and tables, dealing with data, working with lines and angles, and working with 2 and 3 dimensional shapes.
Grades: 9, 10, 11, 12
Kewaskum

Integrated Applied Math II
Topics: using signed numbers, vectors, and scientific notation; precision, accuracy and tolerance; solving problems with powers and roots; using formulas to solve problems; solving problems that involve linear equations; and working with statistics.
Grades: 10, 11, 12
Kewaskum

Integrated Math II
Uses CORD materials. A unit on travel and various life skills in Math are included.
Grades: 10, 11, 12
West Bend: East

Math *(continued)*

Integrated Math II
Uses CORD materials. A unit on travel and various life skills in Math are included.
Grades: 10, 11, 12
West Bend: West

Topics in Math
Uses CORD materials.
Grades:
West Bend: East

Topics in Math
Uses CORD materials.
Grades:
West Bend: West

Transitional Math
Links math skills to real life experiences.
Grades: 9, 10
Slinger

Marketing Education

Sports & Entertainment Marketing
Offers students the opportunity to apply their knowledge of marketing principles and concepts to a multi-billion dollar industry. Course content includes: agents, contracts, sponsorships, advertising, publicity, and promotion.
Grades: 11, 12
Hartford

Business and Marketing
Focuses on real world marketing activities in retail and industrial marketing. Students apply their skills in product and service planning, promotion, product development, sales, logistics, communications, human relations, and risk management.
Grades: 11, 12
West Bend: East

Business and Marketing
Focuses on real world marketing activities in retail and industrial marketing. Students apply their skills in product and service planning, promotion, product development, sales, logistics, communications, human relations and risk management.
Grades: 11, 12
West Bend: West

Science

Chemistry
Relating chemical concepts to foods and cooking including colloid chemistry and thermal dynamics. Also, integrates chemical principles with the health field.
Grades: 10, 11, 12
Dodgeland

Environmental Science
Students become aware of environmental problems and what can be done to correct them. Units include: ecology, water-land-air pollution, population, wildlife, and energy problems.
Grades: 11, 12
Princeton

Social Studies

Challenges & Choices
Students discuss the challenging situations adolescents face. Positive self-esteem, values, goals, decision making, and communication skills are explored in depth. Workplace readiness skills and career guidance inform their two hours of community service
Grades: 10, 11, 12
Princeton

Technology Education

Advanced Manufacturing
An exploratory experience in manufacturing. Topics include machining, administration and support departments in manufacturing organizations. Content includes computer control application, vertical machining center, mold making and maintenance.
Grades: 11, 12
West Bend: East

Computer Systems and Maintenance
Students obtain hands-on experience exploring computer hardware and software systems. Troubleshooting and decision-making skills are emphasized. Communication and cooperation skills develop as they work in teams. Class focus is hardware related.
Grades: 11, 12
Hartford

Advanced Communication/Advanced Transportation/Advanced Manufacturing
Students develop their own program consisting of objectives and an outline of how to accomplish those objectives. The responsibility of learning falls to the student with the instructor becoming a resource.
Grades: 10, 11, 12
Princeton

Biology 3
A one semester course focusing on Biotechnology, tissue culture/plant propagation, and water quality/stream analysis.
Grades: 10, 11, 12
Dodgeland

Carpentry/Vision
A hands-on experience for students interested in employment in the construction trades. A partnership provides the opportunity for students to participate in construction of a single-family residence.
Grades:
Hartford

Computer Aided Design
Uses CAD programs to learn architecture and drafting.
Grades: 11, 12
Slinger

Computer Design
Integrates art and graphics using computer technology to create and design art.
Grades: 11, 12
Slinger

Electronics I
Provides a strong theoretical base in AC and DC electronics. Students use computer technology, learn how to use multi-meters, oscilloscopes, and signal generators to test and diagnose problems in typical circuits.
Grades: 10, 11, 12
West Bend: East

Electronics I
Provides a strong theoretical base in AC and DC electronics. Students use computer technology, learn how to use multi-meters, oscilloscopes, and signal generators to test and diagnose problems in typical circuits.
Grades: 10, 11, 12
West Bend: West

Technology Education *(continued)*

Graphic Communications
General introduction to technical communications systems and processes used in the graphic communication industry. Areas covered include layout and design, copy preparation, desktop publishing, binding operations, and screen making and printing.
Grades: 10, 11, 12
Berlin

Graphic Pre-Press
A beginning course covering continuous tone photography. Activities involve picture taking, roll film processing, enlargements, half-tone reproductions and an introduction to desktop publishing.
Grades:
West Bend: East

Graphic Pre-Press
A beginning graphic arts course covering continuous tone photography. Activities involve picture taking, roll film processing, enlargements, half-tone reproductions, and an introduction to desktop publishing.
Grades:
West Bend: West

Graphic Press
For students who want to study all the graphic arts and specialize in screen and offset printing. Uses computer programs common to the graphics industry.
Grades: 11, 12
West Bend: East

Graphics Press
For students who want to study all the graphic arts and specialize in screen and offset printing. Use of the computer in the graphics industry is emphasized by using programs common to the industry.
Grades: 11, 12
West Bend: West

Graphic Survey
An introductory course in graphic arts that explains various forms of printing. This is a hands-on course with projects in screen printing, offset, and computer generated pre-press.
Grades: 9, 10, 11, 12
West Bend: East

Graphic Survey
An introductory course in graphic arts that explains various forms of printing. This is a hands-on course with projects in screen printing, offset, and computer generated pre-press.
Grades: 9, 10, 11, 12
West Bend: West

Graphics and Drafting
One semester integration of art and drafting skills. Use of CAD program in both courses.
Grades: 10
Markesan

Graphics III
Project oriented course. The class provides assistance to other departments in the school, i.e. school newspaper, yearbook, t-shirt production, program covers. The class keeps financial records, and raises funds to finance a class trip.
Grades: 10, 11, 12
Hartford

Light Building
Advanced course emphasizes the practices used to construct and service structures.
Grades: 11, 12
Princeton

Nicolet Area

Northwoods School-to-Work Consortium

Careers

Applied Science I
Skills needed for employment or postsecondary options with an emphasis on practical applications in the workplace.
Grades: 9
Crandon

Family & Consumer Education

Fabric / Art
Design and construction for various projects are done in a Fine Arts and F/CE lab. Areas involved may include silk screening, airbrush, textile painting, applique, electronic embroidery, knitting, and surging.
Grades: 11, 12
Elcho

Family & Consumer Education
Units include family life, sexuality, food preparation techniques, nutrition, decision making, reading and following directions for a sewing project.
Grades: 9
Laona

Foods 10
Units include nutrition and food preparation.
Grades: 10
Laona

Language Arts

Media
Course content covers English, business, and art aspects of producing a publication. The yearbook and newspaper are produced in this class.
Grades: 9, 10, 11, 12
Elcho

Math

Applied Math
Focuses on Math skills in the fields of business, marketing, health, home economics, industrial tech, agriculture, agribusiness, and general work.
Grades: 9
Laona

Applied Math I
Topics include problems from health, home economics, industrial tech, business and marketing, and agriculture.
Grades: 10, 11, 12
Northland Pines

Applied Math I
Uses CORD materials.
Grades: 9, 10, 11
Tomahawk

Applied Math II
A continuation of Applied Math 9 which covers topics like ratios, proportions, scale drawing, signed numbers, vectors, scientific notation, formulas, statistics, and graphing.
Grades: 10
Laona

Math *(continued)*

Applied Math II
A continuation of applied math concepts in algebra, geometry, trig, and statistics. The emphasis of this course is problem solving in areas of business, marketing, agriculture, home economics, industrial tech, and the health professions. Scientific calculators used.
Grades: 11, 12
Northland Pines

Applied Math II
Learning mathematics in applied settings. Competency based and occupationally related, this course intends to help students develop and refine math skills.
Grades: 9
Three Lakes

Applied Math II
Uses CORD materials.
Grades: 10, 11
Tomahawk

Applied Math III
Problem solving with non-linear equations, working with probability and statistics, right triangle relationships, factoring quadratics and systems of equations.
Grades: 10
Three Lakes

Applied Mathematics I
Students apply concepts to problem solving situations in everyday life.
Grades: 9, 10, 11, 12
Crandon

Applied Mathematics II
Applications of the arithmetic skills needed in preparation for technical college, apprenticeship programs, and the world of work.
Grades: 10, 11, 12
Crandon

Consumer Math
Simulates activities such as owning a car, traveling, buying food, earning money, paying taxes, banking, purchasing insurance, and housing.
Grades: 11
Laona

CORD Math
CORD Math principles and activities are infused into Applied Math I, II, Algebra, and Geometry.
Grades: 9, 10, 11, 12
Rhinelander

Science

Technical Science
Extensive lab and classroom discussion of mechanical, fluid, electrical, and thermal principles of modern equipment.
Grades: 11
Laona

Technology Education

Auto Mechanics
Designed for students to gain an understanding of the basic principles, operations, and service procedures for automobiles.
Grades: 11, 12
Laona

Building Trades
Topics include architectural drawing and planning, blueprint reading, basics of wood frame home construction, and framing to finish.
Grades: 11, 12
Laona

Technology Education *(continued)*

Computer Assisted Drafting
Mechanical drafting including drawings with dimensions, pictorial drawings, and working drawings using Claris, CAD systems and Macintosh computers.
Grades: 11, 12
Laona

Computer Graphic Design
An introduction to computer graphic design. Students create original solutions for commercial art.
Grades: 10, 11, 12
Laona

Metal Working
Students work in the areas of sheet metal, welding, and machine shop. Topics include Computerized Numerical Control lathe operation.
Grades: 11, 12
Laona

Power Mechanics
Small engines and related equipment are studied with emphasis on maintenance and repair of engines.
Grades: 12
Laona

Technology Education
Students work in several areas of technology such as CAD, electricity, laser, bridge or tower building, sight simulator, and machine woodworking.
Grades: 9
Laona

Wood Working
Safety and use of all woodworking machines is reviewed, and students work on advanced projects in woodworking.
Grades: 10, 11, 12
Laona

North Central

Central Wisconsin School-to-Work

Art

High School Art
Students learn foundational principles in artistic expression as well as various art forms and integrated technology. Drawing, painting, sculpture, web page design, ceramics, internet research, and commercial art are covered.
Grades:
Athens

Business Education

489 Information Processing and Computer Applications 1
Reviews, maintains, and improves keyboarding skills and applications. Applications include letters, reports, and tables.
Grades: 9, 10, 11, 12
Antigo

490 Information Processing II
Continues computer applications including business and personal correspondence, MA-style reports, and tables.
Grades: 9, 10, 11, 12
Antigo

503 Information Processing III
Enhances speed and accuracy on computer applications. Recommended for students interested in pursuing business careers.
Grades: 10, 11, 12
Antigo

517 Business Procedures
Designed for students who want to work in the business field. Students learn how to apply for jobs, operate calculators and typewriters, use proper telephone techniques, and use computers for advanced word processing and database applications.
Grades: 10, 11, 12
Antigo

Business Applications
Teaches students basic office practices.
Grades: 10, 11, 12
Spencer

Business Enterprise
Students gain insight into manufacturing management and production. Students study and practice research and development techniques, business operations, accounting practices, and marketing.
Grades: 11, 12
Loyal

Multimedia
Teaches students how to use word processing capabilities and desktop publishing.
Grades: 10, 11, 12
Spencer

Office Procedures
Students develop skills, qualities, and knowledge necessary for administrative support personnel. Students learn filing skills, telecommunications, desktop publishing, and personal etiquette.
Grades: 10, 11, 12
Loyal

Careers

Diversified Occupations
Vocational Ed. program that brings together students interested in job shadowing during 1st semester and doing a 12-week work experience 2nd semester. There are various job shadow sites and work place opportunities.
Grades:
Abbotsford

Family & Consumer Education

Child Care and Development
Teaches state objectives regarding setting up and working in a day care center, planning and preparing developmentally appropriate activities for children birth to 8 years, and safety and health concerns.
Grades:
Athens

Independent Living I/II
Introduces students to clothing selection, construction; nutrition and food preparation; and personal development. Social relations and self-understanding; decision making and communication skills are included.
Grades: 9, 10, 11, 12
Prentice

Language Arts

Applied Communications I
Basic principles of communication are taught for personal and vocational needs. Speaking, listening, writing, plus basic word processing techniques and library skills are taught.
Grades: 12
Rib Lake

Applied Communications II
Application of personal and vocational writing skills, resume writing, application letters, and interviews. Job seeking techniques; obtaining, keeping, and leaving jobs are included.
Grades: 12
Rib Lake

Art/Science Link
Team taught. Art, Science, Language Arts, and Technology are integrated.
Grades: 12
Merrill

Computer Applications
Students key, proofread, and format the information for the community/school newsletter using different word processing programs on Windows 95 computers.
Grades: 10, 11, 12
White Lake

Computer Literacy
Instruction in terminology and hands-on experience. Topics include: ethics, impact, trends, operation of the Power PC Macintosh, a variety of software applications, hardware, telecommunications, job campaign, and careers.
Grades: 9, 10, 11, 12
Medford

English II
Used to remediate 11th and 12th graders as well as instruct 10th graders. Applied communications units have been added.
Grades: 9, 10, 11, 12
Menominee Indian

Practical English
Skills in written and oral expression and listening skills are included. Course work includes writing resumes and letters of application. Students keep checking accounts, pay bills, sign leases, and participate in modeled independent living.
Grades: 11, 12
Mosinee

Math

Applied Business Math
Topics include money records, gross and average pay, overtime and regular pay, fringe benefits, investments, and other daily financial topics.
Grades: 12
Loyal

Applied Math
Teaches students how to use math in the world of work.
Grades: 11, 12
Spencer

Applied Math I
CORD materials used. Integrated learning package of text materials, hands-on laboratory activities, cooperative learning exercises, and video programs. Students learn problem solving, estimating answers, measurement skills, and use of graphing calculators.
Grades: 9, 10, 11, 12
Medford

Applied Math II
Topics include Geometry and Algebra-based equations.
Grades: 10, 11, 12
Bowler

Applied Math II
Uses CORD materials. Students study probability and statistics, expanded algebra and geometry concepts, and introductory trigonometric concepts. Emphasis is placed on the use of the graphing calculator and computer as supplements in learning mathematics.
Grades: 10, 11, 12
Medford

Housing and Interior Design
One year course. Provides an introduction to a wide variety of available housing. Housing choices, needs, financing, and insurance protection are covered. Students plan a house and specifically detail its decoration.
Grades: 11, 12
Prentice

Math
Students use Algebra to compute price index changes, volumes, gear ratios, and vehicle speeds.
Grades: 9
Phillips

Science

Chemistry
Students study matter, its structure and properties. They learn how chemistry applies to everyday living and are able to explain why things occur.
Grades: 11, 12
Loyal

Environmental Conservation
Wildlife, soil and water management, and ecology are covered.
Grades: 10, 11, 12
Medford

Environmental Studies
One year. Focuses on issues of global warming, green house effect, rain forest destruction, etc. Hands-on field work opportunities are an integral part of this class.
Grades: 11, 12
Prentice

Social Studies

U.S. History
Labor unit involves guidance counselors. Topics include work opportunities and jobs as they relate to the abilities and skills of students.
Grades: 10
Wausau: West

Technology Education

Application of Technology
Students move through a series of technology modules, granting students greater exposure to current technology and skills needed in the work world. Many modules are computer aided and instructed. Units on: flight simulation and video production.
Grades: 9, 10, 11, 12
Wausau: West

Building Trades
Students learn basic construction techniques. Topics include understanding blueprint reading, foundations form work, wall and roof framing, and interior and exterior finishing.
Grades: 11, 12
Loyal

Building Trades
One year, two hour class, designed to do real life construction of a house or remodeling of existing houses. Activities: rough construction, partitions, trusses, roofing, siding, electrical, plumbing, wallboard, cabinetry, finishing.
Grades: 12
Prentice

Cabinetmaking
Students construct and finish all house cabinets from specifications. They then install cabinets in the house constructed by students.
Grades: 10, 11, 12
Mosinee

CAD
Semester class using the latest technologies in drafting, design, and engineering. Includes architecture, civil engineering, landscaping, electricity, facilities planning, and interior design. Students generate computer drawings.
Grades: 11, 12
Prentice

CAD Drafting
Instruction in making machine drawings. Curriculum covers CAD drafting techniques of dimensioning, sectioning and pattern development and enhancement processes.
Grades: 11, 12
Stratford

CAD I/CAD II
This course covers CAD drafting techniques. Projects include landscapes, utility plans, pictorals, and architectural details. Emphasis is on design and engineering principles. Final project includes completion of a partial set of house plans.
Grades: 11, 12
Loyal

Communications Technology
Students are introduced to technology of lasers, robotics, silk screening, and computer graphics and desk-top publishing. Students study careers in these areas. Students also are exposed to many computer software applications and on-line services.
Grades: 9, 10, 11, 12
Loyal

Technology Education *(continued)*

Graphic Arts I, II, III
Provides an understanding of the graphic arts industry including placing images on a solid material or surface. Course work includes an evaluation of employability skills.
Grades: 9, 10, 11, 12
Mosinee

Introduction to Building Construction
Students develop and execute a construction project.
Grades: 10, 11, 12
Mosinee

Mechanical and Architectural Drafting
Reviews basic principles of drafting and progresses to more complex applications. Includes: map making, plot plans, floor plans for houses, etc. CAD included. Math skills essential.
Grades: 9, 12
Prentice

Metal Skills
One year course. Prepares students to enter the job market. Includes individual and group projects designed and built by students. Uses CAD and CAM machines and other machines in the metal working area. Math skills needed to complete course.
Grades: 12
Prentice

Pre-Bldg Trades
One semester class. Teaches basic carpentry skills prior to taking building trades class. Students must use math skills to successfully complete this class.
Grades: 11
Prentice

Video Productions
Students learn how to record, edit, and produce video projects. They also learn how to write for radio and TV media. Students produce weekly school news broadcasts, local promotion projects, and other video programs to be broadcast on Public Access TV.
Grades: 9, 10, 11, 12
Loyal

Video/TV Production
Focuses on technical communication needed in producing a real life television broadcast.
Grades: 10, 11, 12
Spencer

Northeast Wisconsin

Northeast School-to-Work / Tech Prep Consortium

Business Education

Keyboarding 2
Revised curriculum includes more exposure to computer usage.
Grades: 9, 10, 11, 12
Luxemburg-Casco

Keyboarding 3-4
Revised curriculum includes more exposure to computer usage.
Grades: 10, 11, 12
Luxemburg-Casco

Family & Consumer Education

Career Exploration
One semester course designed to allow students to explore many careers, to identify careers that match their interests and abilities, and to learn what is required to obtain the chosen career skills necessary to seek, obtain, and maintain employment.
Grades: 9
Pembine

Language Arts

Workplace Readiness
One semester course. Helps students move more easily from school to workplace. Includes: work habits, business expectations, decision making, human relations skills, motivation, management theories and application of psychological and social concepts.
Grades: 10, 11, 12
Southern Door

Writing I
Review of sentence and paragraph development. Students develop craft and technique in writing themes and essays about events that affect the way society views science.
Grades: 10
Coleman

Written Communication
Topics include: the nature of technical writing, principles of the writing process, definition, description, memos, business letters, resume and cover letter, instructions, summary, and short reports.
Grades: 9, 10, 11, 12
Wausaukee

Written Communications
Develops skills in the areas of technical writing, document design, graphics, letters, resumes, and cover letters.
Grades: 11
Bonduel

Math

Applied Geometry
Topics of study include four primary areas: logic, spatial visualization, coordinate geometry, and transformations.
Grades: 10, 11, 12
Bonduel

Math *(continued)*

Applied Math I & II
Emphasizes practical use of language arts skills. Topics include: careers, debatable issues like hunting and current events, high interest novels, surveys, life after high school, the hiring process, workplace ethics and problem solving.
Grades: 11, 12
Sevastopol

Applied Math 2
Second year of a two year course. The course is "real world" based with problems relating directly to occupations students may one day hold. Same material covered as in Algebra I but in a different format, with story problems and labs for each chapter.
Grades: 10, 11, 12
Peshtigo

Applied Math I
Uses CORD materials. Integrates Applied Math and Algebra concepts with life situations.
Grades: 9
Algoma

Applied Math I
Designed to provide students with a background in Math that would be required of workers in many occupations affected by emerging technology.
Grades: 9
Bonduel

Applied Math I
Focus is job-related Math skills. Includes: arithmetic operations, problem solving techniques, estimation of answers, measurement skills Geometry, data handling, simple stats, and the use of algebraic formulas.
Grades: 9
Coleman

Applied Math I
Uses CORD materials which stresses hands-on approach and solving of every day problems.
Grades: 9
Gibraltar

Applied Math I
Topics covered include measurement skills, calculator usage, data handling, basic algebra and geometry. Emphasizes problem solving skill development. Hands-on projects and cooperative learning are incorporated.
Grades: 9, 10
Bay Port

Applied Math I
Grades: 9
Niagara

Applied Math I
For students who have not taken Algebra.
Grades: 10, 11, 12
Sevastopol

Applied Math I, II, III
Math I topics include: using a calculator; the metric system; charts and graphs. Math II topics include: solving problems with powers and roots; non-linear equations; factoring; and others. Math III topics include: geometric equations and spreadsheets.
Grades: 9, 10, 11, 12
Wausaukee

Applied Math II
Uses CORD materials. Integrates Applied Math concepts of Algebra/Geometry with life situations.
Grades: 10
Algoma

Applied Math II
The second level course which builds on the skills of Applied Math I. This course benefits those students entering a technical college or the labor market upon graduation.
Grades: 10
Bonduel

Applied Math II
Focus on Math from an applied perspective. Math will be used to solve problems found in the workplace and everyday life. An introduction to technical school Math.
Grades: 10
Coleman

Math *(continued)*

Applied Math II
Two years or Applied Math I and II are needed to equal one year of Algebra I.
Grades:
Gibraltar

Applied Math II
Emphasizes basic Algebra and Geometry, probability and statistics, and some right-triangle Trigonometry. A series of modular "Tech Prep" units provide students with real-world applications. Prerequisite: Applied Math
Grades: 10, 11
Howard-Suamico: Bay Port

Applied Math II
Grades: 10, 11, 12
Niagara

Applied Math II
Algebra concepts that involve working with monomials, linear equations, powers and roots, graphing data, and solving problems related to the world of work are studied.
Grades: 10, 11, 12
Sevastopol

Applied Mathematics
Uses CORD materials. Teaches mathematical concepts as they are applied to solving problems in the workplace. Uses hands-on activities and cooperative groups to actively engage students in problem solving and real life computations.
Grades: 9, 10, 11, 12
Florence

Career Math
One semester course using an applied work-based curriculum. Each student selects a work-based career focus. Curriculum is designed to match the student learner's career plan.
Grades: 11, 12
West De Pere

Computer Applications
Students produce multimedia presentations, games, simulations, tutorials, and tests for staff members. Two students produced multimedia exhibits for the Neville Public Museum in Green Bay.
Grades: 9, 10, 11, 12
Green Bay: West

Consumer Math
One year course using applied learning strategies.
Grades: 10, 11, 12
Florence

Pre-Algebra
One year course in which students apply knowledge and skills in basic math concepts to real world problems. Modules from CORD and other supplementary materials infused into an existing pre-Algebra curriculum.
Grades: 9, 10, 11
Pembine

Science

Applied Biology
Uses CORD materials. Integrates Applied Biology and Chemistry concepts to current life situations.
Grades: 10
Algoma

Applied Biology Chemistry I
Uses CORD materials and curriculum.
Grades: 9
Gibraltar

Applied Biology Chemistry II
Two years or ABC I and II are equal to one year of Biology.
Grades: 10
Gibraltar

Science *(continued)*

Applied Biology I
A practical approach to biological concepts. Units of study include nutrition, continuity of life, natural resources, disease, and wellness. Practical lab experiences are provided that relate to the work place. Emphasis on application over theory.
Grades: 9
Coleman

Applied Biology II
Units studied are animal life processes, plant growth, and reproduction, and microorganisms.
Grades: 10
Coleman

Biology/Chemistry
Uses CORD content. Reading amount is reduced compared to other textbooks but content level is high. Materials are tied to an occupational area which allows students to see how science occurs in "regular" jobs.
Grades: 10, 11
Green Bay: West

Chem Com
The course has eight units that center on chemistry related to technology affecting our society and the world. Material is also applied to the work site.
Grades: 11, 12
Bonduel

Chemistry
All units are related to practical everyday situations. Upper level math (Algebra 2, Trigonometry) is an essential element of this course.
Grades: 11, 12
Luxemburg-Casco

Chemistry I
Class work includes such things as the nature of chemical changes and the electrical nature of chemical systems. Also included are basic chemical concepts such as the structure of the atom, the periodic table and basic chemical calculation.
Grades: 10
Coleman

Human Biology
One semester. Students work in cooperative groups, performing research and lab activities focused on human biology issues.
Grades: 10, 11, 12
Florence

Natural Resources
One semester. Students work in cooperative groups, performing research and lab activities focused on resources such as plants, fossil fuels, air, water, and soil.
Grades: 10, 11, 12
Florence

Technology Education

Blueprint Reading
Grades: 11, 12
Wausaukee

CAD
Technical architectural drawing course using Auto CAD.
Grades: 10
De Pere

Drafting
Students are exposed to the fundamentals of manual and computer drafting.
Grades: 11, 12
Coleman

Metals II
A 2-hour, one year course, for students wishing to pursue a career in metal working. Students acquire a broad background in metalworking processes.
Grades: 12
Coleman

Modular Technology
One semester. Uses computers to: produce ads, design video and audio presentations, and test vehicle body shapes for aerodynamic performance. Program develops problem solving skills and helps students recognize aptitudes and careers opps.
Grades: 9, 10, 11, 12
Peshtigo

Southwest Wisconsin

Southwest Wisconsin Technical College/ K-12 School-to-Work Consortium

Agriculture

Ag Science
A hands-on approach to learning how the world of agriculture works scientifically.
Grades: 9, 10, 11, 12
Argyle

Business Education

Business Concepts
Activities: assembly line, job interviews (using outside interviewer), preparing resumes, and a stock market game.
Grades: 9, 10, 11, 12
Potosi

Career Communication
Exposes students to the type of literature necessary to seek, find, and keep a job in the business world.
Grades: 11, 12
Boscobel

Computer Application
An applied approach to computer applications with work experience activities.
Grades: 11, 12
Potosi

Entrepreneurship
One semester course. Students gain an understanding of starting and operating a business through simulations, projects, and operation of a school store.
Grades: 9, 10, 11, 12
Platteville

General Business
Topics include use of banking services, credit use, insurance, saving and investing money. Topics covered: how to keep records, a budget, a checking account, and other everyday personal financial needs.
Grades: 9, 10, 11, 12
Argyle

Information Systems
Emphasizes production simulation and time management activities.
Grades: 9, 10, 11, 12
Potosi

Family & Consumer Education

Consumer Education
Students learn economic principles. Areas of study include insurance and investments.
Grades: 12
Belmont

Food Science
An applied Science course designed to give students an understanding of the chemical and biological principles of food.
Grades: 10, 11, 12
Argyle

HERO
Course designed for resume writing, job applications, job interviewing, and field trips.
Grades:
Potosi

Health Occupations

Introduction to Health Occupations
One semester course. Students are introduced to employment opportunities in health care and human services. Students participate in CPR, first aid, and job shadowing.
Grades: 10, 11, 12
Platteville

Medical Issues
An overview of health care in America which covers pathology, physiology, CPR, first aid, and current issues that relate to human wellness.
Grades: 11, 12
Black Hawk

Personal Fitness I & II
Topics relate to physical fitness, nutrition, and stress. Students develop individual fitness programs, acquire knowledge of physical fitness concepts, and understand the significance of one's lifestyle on health and fitness.
Grades: 9, 10, 11, 12
Barneveld

Language Arts

Applied Business and Communications
Grades: 11, 12 **X**
Richland Center

Applied Communications
Instruction and practice in workplace communications. Topics: basic communication (with customers/co-workers), problem solving, working in groups, directions, persuasion, and conflict resolution. Activities: written and oral projects. Uses AIT curriculum.
Grades: 11, 12 **X**
Ithaca

American Literature I
Students explore their chosen career area in depth and prepare a formal document in a technical writing format.
Grades: 11, 12
Cassville

American Literature II
Students explore their chosen career area in depth and prepare a formal document in a technical writing format.
Grades: 11, 12
Cassville

Applied Communications I & II
Focus is on communication in the work place. Unit activities relate to specific occupational areas.
Grades: 10, 11, 12
North Crawford

English 10
Team taught with the Counseling and Guidance Department. Activity: research paper on career interest.
Grades: 10
Potosi

English 9
Course emphasizes resume writing, job application, and interview simulation.
Grades: 9
Potosi

English Skills
Uses Applied Communications materials in units of instruction.
Grades: 9, 10
Darlington

Information Processing
Students are introduced to Microsoft Works and Word Perfect. Database use, editing, and document production are introduced while typing speed and accuracy are emphasized.
Grades: 9, 10, 11, 12
Pecatonica

Language Arts *(continued)*

Tech Prep English
Designed for students with career plans in the technical or vocational areas. Two-year curriculum integrates science, math, and social studies. Topics include the following: job search techniques and communications.
Grades: 11, 12
Barneveld

Technical Writing
Covers the writing needs required in a business/technical field. Presents the process of technical reports and business correspondence.
Grades: 11, 12
Lancaster

Yearbook
Emphasizes marketing, photography, design, page layout, journalism, and computer word processing.
Grades: 11, 12
Barneveld

Math

Applied Math
Two semesters designed to build math skills needed in various trade areas. The trade areas covered include welding, meat processing/merchandising, auto mechanics, dairy herd management, auto body, applied service and agri-mechanics.
Grades: 11
Fennimore

Tech Prep Math I
Basic Math skills and concepts are applied to real life situations and problems. AIT materials are incorporated into portions of this program.
Grades: 10, 11, 12
North Crawford

Tech Prep Math II
Basic Math skills and concepts are applied to real life situations and problems. AIT materials are incorporated into portions of this program.
Grades: 11, 12
North Crawford

Applied Math
Applied percents, decimals, fractions, measurement and estimation in practical settings such as selling a building. Techniques used from CORD and Math Modeling are used.
Grades:
Benton

Applied Math
Course emphasizes problem solving through estimating, measuring, collecting, and analyzing data, working with shapes in 2 and 3 dimensions, and using scale drawings with applications to the world of work.
Grades: 9, 10, 11, 12
Potosi

Applied Math I
Incorporates principles of geometry and algebra in an applied setting.
Grades: 9, 10
Argyle

Applied Math I
Emphasizes real life math problems and is taught primarily with hands-on laboratory experience. Emphasis is on learning problem solving techniques, followed by the oral presentation of those techniques and the results of applying those techniques.
Grades: 10, 11, 12
Pecatonica

Applied Math I & II
Students understand and apply functional math to solve problems in the work world. CORD modular learning materials used to simulate workplace problem solving.
Grades: 9, 10, 11, 12
Wauzeka

Math *(continued)*

Applied Math II
Incorporates principles of geometry and algebra in an applied setting. Topics include problem solving, ratios and proportions, data handling, and measurements.
Grades: 10, 11, 12
Argyle

Applied Math II
Emphasizes computer math applications, such as practical trigonometry, geometry in the workplace, spreadsheets, graphics, quality assurance measurements, process control, statistical relationships, and probability.
Grades: 10, 11, 12
Pecatonica

Applied Math/Integrated Science
Grades: 9, 10, 11, 12
Richland Center

Consumer Math
Reviews basic operations using whole numbers and fractions. Applies the basic operations for solving problems involving: commissions, borrowing money, savings, life insurance, and investments, home expenditures, travel and transportation.
Grades: 9, 10, 11, 12
Cassville

Consumer Math
Uses applied materials in units of instruction.
Grades: 11, 12
Darlington

Consumer/Career Math
Two semester course. Topics: math skills, problem solving, probability and statistics, budgeting, banking, transportation, housing, taxes, insurance, and investments.
Grades: 11, 12
Mineral Point

Integrated Math I
Hands-on problems and real life examples are used to present mathematical topics in statistics measurement, estimation, geometry, and probability.
Grades: 9, 10
Lancaster

Integrated Math II
Basic Algebra and Geometry are applied. CORD materials used.
Grades: 10, 11, 12
Lancaster

Intermediate Algebra
Revised to put more emphasis on applied technical concepts.
Grades: 10, 11, 12
Southwestern Wisconsin

Introduction to Algebra
Revised to put more emphasis on applied technical concepts.
Grades: 9, 10, 11, 12
Southwestern Wisconsin

Math for Daily Living
Uses Math to purchase consumer goods, automobiles, homes, income taxes, banking loans, and investments.
Grades: 12
Lancaster

Math for Tech I
Uses CORD Applied Math materials.
Grades: 11, 12
Southwestern Wisconsin

Math for Tech II
Uses CORD Applied Math materials.
Grades: 12
Southwestern Wisconsin

Practical Math
All math problems are explored in terms of job related applications and situations. Review lessons and testing are used to determine the students' comprehension of mathematical situations.
Grades: 9, 10, 11, 12
Cassville

Tech Math
Some algebra and geometry concepts are used in the context of problems, rather than for their own end.
Grades: 9, 10, 11, 12
Black Hawk

Tech Math
Practical applications of Math designed to prepare students intending to pursue technical careers.
Grades: 10, 11, 12
Boscobel

Science

Applied Physics
Team taught. Uses CORD materials. Students apply physics theories to real world applications. Technical writing skills are used. Annual bridge building and car racing competitions.
Grades:
Kickapoo

Biotechnology
A lab-based, hands-on approach to learning skills in the biotech industry. Units covered include applications of biotech in the marketplace, genetic engineering, gene splicing, ethical and safety considerations, molecular genetics, and careers.
Grades: 11, 12
Black Hawk

Conservation Natural Resources
Applied Biology/Chemistry strategies. Incorporated CORD materials.
Grades: 11, 12
North Crawford

Physics
The student's personal experiences are used to explain the laws of physics. Topics include mechanics, properties of matter, heat, electricity, magnetism, and nuclear physics.
Grades: 11, 12
Argyle

Physics
Exploration of how the world works through labs, demonstrations, and projects. Emphasis on basic concepts related to students' experiences rather than mathematical solutions. Topics: mechanics, light, sound, electricity, and magnetism.
Grades: 11, 12
Cassville

Social Studies

Consumer Education
Course emphasizes authentic tasks in food, housing, and insurance purchasing.
Grades: 12
Potosi

Economics
Factors of production and operation are tied in with consumer economics to develop an understanding of economic theory and sound economic decision making. Students work with finance skills, credit card contracts, and tax skills.
Grades: 12
Cassville

Government and Wisconsin
The goal is to increase student awareness and involvement in government, politics, and issues affecting the state of Wisconsin. Students participate in a number of different activities dealing with U.S. and Wisconsin government.
Grades: 10
Barneveld

Regional Studies
Emphasizes jobs in government and Social Studies related careers.
Grades: 9
Potosi

Tech Prep Social Studies
Prepares students for success in the world of work. Students explore human relations skills, multicultural studies, community service, career education, labor management relations.
Grades: 11, 12
Barneveld

World History
Emphasizes activities related to careers, i.e. curator, archeologist, anthropologist, etc.
Grades: 11, 12
Potosi

Technology Education

Building Construction
Students study lot layouts, surveying foundations, and construction of residential structures. Activities will include building a model of a frame structure, plumbing and electrical techniques, and estimation of materials in residential construction.
Grades: 11, 12
Barneveld

CAD/CAM
Students work with modern equipment in design and manufacturing. CAD and CAM are used. Students design and manufacture a part, design and draw a floor plan, and learn the basic principles of robotics. Activities include skills, contests and field trips.
Grades:
Barneveld

Construction I
Designed to provide students with a working understanding of the key elements associated with designing, planning, and constructing a structure on a building site.
Grades: 10, 11, 12
Black Hawk

Construction II
Designed to give students actual hands-on experiences in the construction field.
Grades: 10, 11, 12
Black Hawk

Electricity
One semester class designed to teach students how to use electricity, understand the nature of electricity, and be able to apply fundamental electrical skills.
Grades: 11, 12
Black Hawk

Home and Maintenance
Students work at stations including electrical wiring, drywall repair, plumbing, appliance repair, auto body repair, and personal auto maintenance. Students may bring their own cars to work with teacher approval. Also, covers auto purchase and insurance.
Grades: 11, 12
Barneveld

Manufacturing I
Designed to introduce students to the materials, processes, and management components of the Manufacturing Industry.
Grades: 10, 11, 12
Black Hawk

Manufacturing II
Emphasis placed on developing an understanding of the sequence of activities used to convert a designer's ideas into a project which is produced and sold in the market place.
Grades: 10, 11, 12
Black Hawk

Metal Process
Students learn fundamentals of gas, mig, and stick welding, sheet metal fabrication, and both manual and computer-controlled machining. Projects include an Exacto knife, a plaque, and a can crusher.
Grades: 9, 10
Barneveld

Small Engines
One semester class designed to teach the student the basics of small engine principles and repair.
Grades: 11, 12
Black Hawk

Welding
One semester class designed to teach the student the fundamentals of oxyacetylene and electrical arc welding.
Grades: 11, 12
Black Hawk

Woods & Plastics
Students learn the fundamentals of wood and plastic properties and the equipment used to machine these materials. Projects include a cabinet, an ice scraper, a coin purse, and a key chain.
Grades: 9, 10
Barneveld

Waukesha County

Waukesha County School-to-Work Consortium

Language Arts

Research and Technical Composition
Designed to develop skills in research methods and composition related to research. Related skills such as note taking, outlining, use of library reference tools, and style sheets are covered.
Grades: 11, 12
Kettle Moraine

Math

Applied Math I
Hands-on, real life application of mathematics. The one-year course incorporates many of the CORD concepts .
Grades: 9, 10, 11
Arrowhead

Applied Math I
Part of a 3-year sequence with a set of modular learning materials prepared to help high school vocational ed. students and others develop and refine job related math skills.
Grades: 9, 10
Hamilton

Encher Project
A team taught project integrating mathematical skills with art skill in creating student projects.
Grades: 9, 10, 11, 12
Muskego

Science

Chem/Com
Students introduced to the important role chemistry plays in their lives. Uses chemical knowledge to think through and make informed decisions about science and technology issues, and develop lifelong awareness of potential and limitations of science.
Grades: 10, 11, 12
Hamilton

Social Studies

Political Cartooning
A team taught unit in which students gain an understanding of how United States history has influenced political cartooning and how cartooning has influenced US history.
Grades: 9, 10, 11, 12
Muskego

Western Wisconsin

Western Wisconsin School-to-Work Consortium

Agriculture

Exp. Agriculture
Explores careers and a wide range of Agriculture topics using a hands-on approach.
Grades: 9, 10
Melrose-Mindoro

Home and Auto Repair
Grades: 11, 12
Melrose-Mindoro

Metals
Students learn the basics of arch welding, mig welding, and welding.
Grades: 11, 12
Melrose-Mindoro

Business Education

Business Procedures
Provides realistic on-the-job training in the classroom to prepare for actual job training in a local office for part of the year. Skills learned include: filing, transcription, advanced computer technology, communications.
Grades: 12
Galesville-Ettrick-Trempealeau

Job Skills
Students learn employer expectations, goal setting, resume writing, interviewing techniques, communication, and organization skills.
Grades: 12
De Soto

Microcomputer Applications
Combines Business with Math in the calculation of spreadsheets and setting up correct equations.
Grades: 9, 10, 11, 12
New Lisbon

Office Procedures
Introduces students to the office scene with activities such as visits to area business offices. During the last month, students set up and manage their own businesses.
Grades: 11, 12
Tomah

Professional Publishing
The course is a publishing center for the district.
Grades: 12
Onalaska

Family & Consumer Education

Contemporary Clothing
Continuation of sewing skills and application of those learned skills.
Grades: 11, 12
Tomah

Discovering Foods
Foods and nutrition developed for cognitively disabled (severe) students. Application of kitchen skills is emphasized.
Grades: 9, 10, 11, 12
Tomah

Fashion Plus
Application of learned skills.
Grades: 9, 10, 11, 12
Tomah

Food Service
Career preparation course with a high level of application in cooking, serving, teamwork, and management skills.
Grades: 11, 12
Tomah

Family & Consumer Education *(continued)*

Foods for You
Application of cooking skills and nutrition knowledge.
Grades: 9, 10, 11, 12
Tomah

Housing & Interior Decorating
Students apply the principles and techniques of decorating to projects in class.
Grades: 10, 11, 12
Tomah

Opportunities in Fashion Courses
Career preparation course in design, fashion construction, and management.
Grades: 11, 12
Tomah

Health Occupations

Health Occupations
Students explore a wide variety of health related careers. Various field trips and guest speakers are used.
Grades: 10, 11, 12
Mauston

Language Arts

Applied Communications
Students reflect on successful communication. Skills are interwoven to prepare students for the world of work.
Grades: 12
Galesville-Ettrick-Trempealeau

Applied Publications
Computer skills, page design, and public relations skills in creating publications are covered.
Grades: 9, 10, 11, 12
Necedah

Composition 2
A travel unit (2 weeks) uses research via people, travel agencies, and computer programs to create a 7 to 21-day annotated itinerary and background on the travel industry.
Grades: 11, 12
Tomah

English 9
Units included are business letters, writing to get a job, and various aspects of writing on the job.
Grades: 9
Tomah

Occupational English
Reviews basic English usage and English skills needed in the working world as well as the mechanics and grammar of writing. Students write personal and business letters, applications, forms, and check and deposit slips.
Grades: 12
Cashton

Print Media
Students produce a yearbook using graphic skills on photography layout and business skills.
Grades: 10, 11, 12
Tomah

Math

Applied Math
Emphasizes problem solving techniques using real world problems. Key math skills such as decimals, functions, and percents are reviewed and some elementary algebra concepts are covered.
Grades: 9, 10
Arcadia

Applied Math
A hands-on math course which relates real life skills.
Grades: 9, 10
Royall

Applied Math
Uses CORD curriculum to incorporate activities used in our daily lives and careers.
Grades: 9, 10
Holmen

Applied Math 1&2
Uses CORD materials. Major emphasis on practical application of math. Topics include: Tech Ed, Business, Science, Agriculture, and Consumer Ed. Includes hands-on activities, lab work, computer and calculator applications.
Grades: 9, 10
Sparta

Applied Math
A hands-on course to learning mathematics concepts in which students gain an understanding of math in daily living activities such as stock market, measuring instruments, and budgeting.
Grades: 9, 10, 11, 12
Necedah

Applied Math
For pre-Algebra learners who are interested in a technical field of study. An integrated approach to topics in mathematics, including algebra, geometry, trigonometry, functions, graphing, and solving problems related to the world of work.
Grades: 10, 11, 12
Tomah

Applied Math I
Students associate real workplace applications of Math with classroom instruction by performing activities pertaining to various vocational/technical areas.
Grades: 9
Bangor

Applied Math I
Students develop and refine job related Math skills, text, lab activities, and problem solving exercises.
Grades: 9, 10
La Farge

Applied Math I
Application of real-life practical math problems.
Grades: 10, 11, 12
Mauston

Applied Math I & II
Focuses on basic math concepts and applying these to real life problems continuously reviewing and integrating these concepts. Students read and transfer written materials into mathematical ideas/formulas/concepts.
Grades: 9, 10, 11, 12
LaCrosse: Central

Applied Math I & II
Focuses on basic Math concepts and applying these to real life problems continuously reviewing and integrating these concepts . Students read and transfer written materials into Mathematical ideas/formulas/concepts.
Grades: 9, 10, 11, 12
LaCrosse: Logan

Applied Math I/II
Uses CORD curriculum.
Grades: 9, 10, 11, 12
De Soto

Applied Math II
Students associate real-life workplace applications of Math with classroom instruction by performing activities pertaining to various vocational/technical areas.
Grades: 10
Bangor

Math *(continued)*

Applied Math II
Introduces new concepts applied to statistics, geometry, and algebra.
Grades: 9, 10
La Farge

Business Calculations
Students develop electronic calculator skills for future employment.
Grades: 9, 10, 11, 12
Tomah

C.A.D.D.
Activities relate to real world responsibilities and duties in the drafting field.
Grades: 11, 12
Melrose-Mindoro

Computerized Accounting
Students learn the computerization of accounting procedures.
Grades: 12
Tomah

Consumer Math
Emphasis is on the mathematics needed in consumer and career situations. It also contains a review of basic computational skills.
Grades: 11, 12
Cashton

Consumer Math
A Math course applied to actual life and jobs. Hands-on math applications are experienced by the students.
Grades: 11, 12
Melrose-Mindoro

Math 1,2,3
Use of group and individual projects.
Grades: 9, 10, 11, 12
Onalaska

Math I
Uses CORD materials.
Grades: 9
Whitehall

Math II
Uses CORD materials.
Grades: 10
Whitehall

Mathematics-A Consumer/Career Approach
Students learn basic math operations, computations by estimation, computation using calculators, statisitics, geometry, and application to computer math.
Grades: 12
Arcadia

Science

Applied Physics
Uses real-life, hands-on examples. Field trips to local businesses and various experiments.
Grades: 11, 12
Mauston

Intro to Physical Science
Applied methodology in class presentations and projects.
Grades: 9
Cochrane-Fountain City

Physics
Students combine Math, Science, and Tech Ed to develop and produce a hubblecraft and fly it.
New Lisbon

Science Technology and Society
Students are exposed to the ever-changing world of science.
Grades: 11, 12
Onalaska

Woods I
One week unit on the technology, planning, and building of levers and pulleys.
Grades: 9, 10
Independence

Social Studies

Economics
Course includes economic decision making, basics of business, personal money management/budgeting, and other practical information for the application of economic theory and ideas.
Grades: 11, 12
De Soto

Technology Education

Graphic Arts
An in-depth look at the printing industry. Areas of study include: letterpress, screen process, offset lithography, photography, desk-top publishing, computer image scanning, electronic pagination.
Grades: 11, 12
Galesville-Ettrick-Trempealeau

Metals/Power
Introductory course with related blueprint reading.
Grades: 9, 10, 11, 12
Tomah

Pre-Engineering Design
Advanced three-view drawings, isometric pictorial view, sectional views, auxiliary views, exploded isometric views, blueprint reading, and drawing for production detail are included. The CAD system is a vital part of the curriculum. Some OJT.
Grades: 12
Galesville-Ettrick-Trempealeau

Small Engines
Students learn the principles of small engines and how to service and repair low horsepower engines used in power boats, lawn mowers, chain saws, and similar equipment. Engine rebuilding is the focus of this class.
Grades: 9, 10, 11, 12
Tomah

Transportation Technology
Study of the automobile and other selected vehicles. Includes trouble shooting and repair of engine, electrical systems, suspension, brakes, transmission, differential, and computers.
Grades: 12
Galesville-Ettrick-Trempealeau

Vocational Building Trades
Students gain the knowledge and practical experience needed to secure a beginning job in a building construction occupation through a variety of work experiences. Practical experience provided in the actual construction of a building.
Grades: 12
Galesville-Ettrick-Trempealeau

Vocational Metals
A capstone course designed to prepare students for entry level job skills. Content is all vertical welding techniques and heavy symbol reading.
Grades: 11, 12
Tomah

Welding
Each student learns to weld with a basic arc (AC, DC, MIG, TIG) and all areas of oxyacetylene welding. Safety is emphasized.
Grades: 10, 11, 12
Galesville-Ettrick-Trempealeau

Welding
Teaches 23 different types of welding procedures plus welding symbols.
Grades: 10, 11, 12
Tomah

Welding Tech Prep and Lathe Processes
Designed to give high school students basic knowledge and skills to perform welding techniques. It is articulated with similar courses at WWTC.
Grades: 11, 12
De Soto

Woodworking
The application of knowledge and skills in the woodworking industry.
Grades: 10
Melrose-Mindoro

Wisconsin Indianhead

Northwest Wisconsin Area Tech Prep / School-to-Work Consortium

Art

Commercial Art
Applies the skills learned in art to service projects such as, logos, school posters, T-shirt designs, brochures, concert covers, floats, dances, theater set design, etc.
Grades: 9, 10, 11, 12
Northwestern

Business Education

Advanced Business Lab
Applications related to the Macintosh computer. Students work on the high school activities calendar as well as assist the instructor in network or related computer problems.
Grades: 9, 10, 11, 12
Webster

Advanced Computer Applications
Students learn to use an integrated computer program which combines functions to create real-world applications.
Grades: 11, 12
Cameron

Desktop Publishing
Students have the opportunity to become publishers by designing page layouts. Emphasis is on accuracy and teamwork. Students learn about business development as they work together to form a desktop publishing company and work on projects for customers.
Grades: 11, 12
Cameron

Applied Communication
Students write, edit, and publish the school newspaper.
Grades: 11, 12
Bruce

Applied Communication
One semester. Students learn problem solving, group interaction, getting along with co-workers, speaking to groups, advertising and job seeking skills. Skills that should be enhanced include listening, writing, and speaking.
Grades: 9, 10, 11, 12
Drummond

Applied Economics
Research and development of business economics.
Grades: 11, 12
Hudson

Business English
Semester course. Helps students understand and apply effective oral and written communication skills for successful employment. Topics include a review of basic language skills and composition of business correspondence.
Grades: 10, 11, 12
Drummond

Business Marketing
Grades: 9, 10, 11, 12
Drummond

Business Procedures
Topics: human relations, job campaigns, voice transcripting, business organization and telecommunications, records management, financial recordkeeping.
Grades: 10, 11, 12
Butternut

Business Education *(continued)*

Classroom Industries
Class is a cooperative effort between Tech Ed, JTPA, Business Ed., P.E. and Home Ec. to develop employable students. Course consists of a manufacturing process central to a program to prepare students for the world of work.
Grades: 9, 10, 11, 12
Drummond

Desktop Publishing
Uses desktop publishing software to produce publications such as the school paper and yearbook.
Grades:
Clayton

Desktop Publishing
Uses graphics, layout, and design to create professional documents. Altering and enhancing scanned art is used to create an advertising campaign.
Grades: 11, 12
Butternut

Entrepreneurship
Students operate a business by making an investment, taking a risk, calculating profit or loss, and maintaining an inventory.
Grades: 9, 11, 12
Clayton

Information Processing
Realistic activities develop proofreading, composing, and formatting skills.
Grades: 9, 10, 11, 12
Butternut

Northland Enterprises
Business operation making holiday wreaths.
Grades: 9, 10, 11, 12
Northland Secondary

Careers

Careers
At-Risk program designed to aid students in making informal School To Work decisions.
Grades: 11, 12
Rice Lake

Family & Consumer Education

Child Care
Grades: 9, 10, 11, 12
Drummond

Child Services
The content deals with all aspects of the child care industry including types of day care centers and the environment. Students will also run a day care facility for preschoolers to observe and document development of young children.
Grades:
Glidden

Family Living
Students study aspects of family life and its responsibilities. Topics include communications, decision making, courtship, marriage, parenting, family functions, and human sexuality. Students plan a wedding, buy a house and deal with family crises.
Grades: 10
Glidden

Food Science
Students gain an understanding of the chemical and biological principles of food through experimental and edible hands-on lab experiences. Food production, processing, nutritional analysis of foods, new product development are studied.
Grades:
Clayton

Family & Consumer Education *(continued)*

Food Service
Students do a career search and an actual hands-on simulated classroom restaurant and bakery job training. For students interested in a career in the Home Economics area.
Grades: 9, 10, 11, 12
Glidden

Foods
Focuses on nutrition in meals. Topics: holiday and banquet menus, foods and ethnic groups, food budgets, consumer purchasing points, cost comparisons, food storage and preservation, and appliance use.
Grades: 9, 10, 11, 12
Webster

Foods I & II
Teaches fundamentals of nutrition and food preparation. Emphasizes the planning, serving, and preparation of nutritious, well-balanced meals. Job exploration and future employment is explored. Research paper on a country is required.
Grades: 9, 10, 11, 12
Glidden

Foods and Hospitality
Grades: 9, 10, 11, 12
Drummond

Graphic Communications
The primary focus is on mechanical drafting, however, architectural and civil drafting also are covered. Activities include drafting equipment, geometric construction, drafting symbols, sketching and CAD.
Grades: 10, 11, 12
Glidden

Home Maintenance
Students handle the basic measuring tools and power equipment used in light building construction and maintenance. The course requires planning, estimating, and building of a model frame construction building complete with electricity and plumbing.
Grades: 9, 10, 11, 12
Glidden

Housing
Covers housing and interior design from construction, furnishings, and maintenance of the home. Students construct interior or exterior of a model house.
Grades: 9, 10, 11, 12
Glidden

Human Development
Study of human development. Areas covered include pregnancy, childbirth, and the various stages of growth and development at different ages.
Grades: 9, 10, 11, 12
Glidden

Independent F/CE
Students work on individually designed projects. Students are responsible for purchasing their own projects.
Grades: 9, 10, 11, 12
Glidden

Independent Living
The two units of study are clothing survival and safety around the kitchen and home.
Grades: 10
Webster

Industrial Tech. Ed.
Students work in the technological areas of their choice. Activities include: aeronautics, robotics, structures, transportation, mechanisms, problem-solving activities and computers. The class is hands-on and self-paced.
Grades: 10, 11, 12
Webster

Interior Design
Topics include: floor plans, space use, wall-ceiling-floor coverings, room arrangements, accessories, furniture, house styles, and landscaping. Students design floor plans and a model with samples of fabrics, paint, carpets, etc.
Grades: 9, 10, 11
Webster

Family & Consumer Education *(continued)*

Textiles
Material covered includes the study of fibers and materials, garment construction, pattern construction and alterations. Computers are used in constructing patterns.
Grades: 9, 10
Webster

Foreign Language

French IV
Units relating to France are integrated with Internet technology to plan the spring trip to Paris. Students arrange tours and related activities via the Internet, E-mail, and a tour guide.
Grades: 12
Somerset

Language Arts

Applied Communications
Students learn about technical careers through emphasis on the development of effective speaking, writing, and listening skills. Proficiency of skills is emphasized in practical, related applications.
Grades: 11, 12
Cameron

Creative Communications
Integrates journalism writing and speaking skills with the technical aspect of filming and editing.
Grades: 11, 12
Clayton

Applied Communications
Includes use of applied methodologies.
Grades: 11
Ashland

Applied English
Grades: 12
Grantsburg

Career Exploration
Career development using portfolios and Career Visions formats. The course covers pre-employment, work maturity, and job specific skills. Students learn how to fill out applications and prepare resumes.
Grades: 9, 10, 11, 12
Webster

Career Visions
Grades: 9, 10, 11, 12
Washburn

Composition II: Technical Writing
Basic composition and grammar are reviewed to build the skills needed to write correct business correspondence. Communication principles are discussed and applied by preparing typical business messages. Simulates a business environment.
Grades: 10
Saint Croix

Composition: Reporting and Recording and Computer Applications: Desktop Publishing
Students identify, practice, and master skills for writing publications; design and write headlines and captions; plan and produce photographs for basic layouts; practice and master skills for financing to produce the elementary and high yearbook.
Grades: 11, 12
Saint Croix

Computer Independent Study
Students do in-depth work on computer programming, CAD, computer graphics, or HTML language.
Grades: 11, 12
Chetek

Language Arts *(continued)*

English 11
One semester. Instructor works with STW coordinator. Students seek full-day job shadow experiences in an area of their choice. Parent involvement is very important.
Grades: 11
Flambeau

English 12
Focuses on developing basic communication skills that are valuable to students in a variety of real life situations.
Grades: 12
Frederic

General Composition
Writing used to direct and develop skills needed on the job, in school, and in community communication situations. Writing experiences are relevant to the students' lives, worlds, and situations.
Grades: 11, 12
Saint Croix

Journalism I & II
Students study and learn the principles associated with journalism. The class produces a daily newspaper.
Grades: 10, 11, 12
Northwestern

School-to-Work
Students work 150 documented hours at a summer worksite and complete a work maturity skills workbook. Employer submits Jobs Skills and Work Maturity Skills evaluation for student's final grade. Students must complete an employer contract.
Grades: 10, 11
Washburn

Yearbook
Students study and learn all the skills associated with the production of a school yearbook. The class produces the yearbook.
Grades: 11, 12
Northwestern

Math

Advanced Programming
Applies HTML language and data from the Internet. Focuses on the development of Web Pages for self, school, and local businesses.
Grades: 10, **11, 12**
Somerset

Applied Math II
Students use their knowledge of Math to solve real problems using the CORD curriculum.
Grades: 10, 11
Bayfield

Computer Applications
Applications are made through student-selected projects chosen from a master list. All work will focus on applying computer knowledge to the production of web pages, hypercards, and some desktop publishing.
Grades: 11, 12
Cameron

Applied Math
Uses CORD curriculum.
Grades: 10
Bruce

Applied Math
Grades: 12
Grantsburg

Applied Math
Application of math concepts using problem solving activities in practical work problems.
Grades: 9, 10
Mellen

Applied Math 1,2
Stresses broad mathematical content which includes arithmetic, algebra, geometry, statistical foundation skills for further study. It places emphasis on real life applications and problem solving.
Grades: 9, 10
Shell Lake

Applied Math I
Students do problem solving and apply this skill to real life applications in algebra and geometry.
Grades: 9, 10
Bayfield

Applied

Math *(continued)*

Applied Math I & II
Grades: 10, 11, 12
Drummond

Applied Math I & II
CORD materials are used for these classes.
Grades: 9, 10, 11
Northwestern

Applied Math I/II
Uses applied curricula.
Grades: 9, 10, 11
South Shore

Applied Math II
Incorporates instruction in the basic properties of math with topics and skills that students need in daily life.
Grades: 10
Frederic

Applied Tech 2
The four main clusters of technology are divided into graphic, electric, light, and acoustic. Students choose a cluster and research, develop and experiment with related skills. Objectives: technological literacy, career exploration, and problem solving.
Grades: 10, 11, 12
Webster

Exploring Tech I
Exploration of the four systems of technology (communications, construction, manufacturing, and transportation). Each course is a systematic explanation followed by a hands-on experience.
Grades: 9, 10
Webster

Math 12
A basic mathematics class teaching essential everyday life math concepts; decimals, fractions, percents, and measurements as well as the use of math in checking accounts and tax returns.
Grades: 12
Saint Croix

Math Applications
Grades: 10, 11, 12
Rice Lake

Mathematics Adventures
Designed to develop problem solving techniques in real life situations. The course focuses on critical thinking, working together, and oral and written presentations of solutions.
Grades: 11, 12
Northwestern

Real World Math
Applied math use such as job bids, information analysis, and planning a vacation.
Grades: 9, 10, 11, 12
Northland Secondary

Tech Math I & II
Students are given a firm foundation in arithmetic fundamentals, basic Algebra, and Geometry that can be applied to the work world as well as basic probability and statistics.
Grades: 11, 12
Butternut

Technical Math
Focuses on content used in trade and industry. Technology education demonstrations and methods.
Grades: 9, 10, 11, 12
Somerset

Technical Math
Designed for students with a technical career in mind. Topics: arithmetic basics, fractions, decimals, geometry, metric system, measurement, graphing, stats, algebra, equations, proportions, trig and problem solving.
Grades: 10, 11, 12
Webster

Marketing Education

American Industry
Students select, produce, and market a product in the enterprise unit. Other units include: metals, foundry, milling machine, metal lathe and computer aided machining. In the woodworking area required projects include use of all power equipment.
Grades: 9, 10, 11, 12
Glidden

Science

Applied Science
Uses CORD curriculum.
Grades: 10
Bruce

Applied Science
Study of the applications of scientific principles and research as the workings of mechanical systems, hydraulic/ pneumatic systems, thermal systems, and the forces driving those systems. Students construct bridges and radio control gliders.
Grades: 10, 11, 12
Mellen

Biology 2
Students set up a business selling garden plants to community members. Students partner with local mining company to help in their reclamation stage of growing plant stock and assisting in planting.
Grades: 11, 12
Flambeau

Chemistry
Uses American Chemical Society curriculum "Chemistry in the Community" integrated with theory. Provides a solid theory background with practical applications in many areas. Integrated across Biology, Chemistry, technology, and society.
Grades: 11, 12
Clayton

Conceptual Physics
Physics is taught conceptually rather than mathematically. Emphasis on comprehension and application.
Grades: 9, 10, 11, 12
Birchwood

Social Studies

Fitness/Wellness
PE and Health examine awareness and appreciation of the basic components of fitness. Students attempt to improve and maximize abilities and skills while learning proper nutrition. The class encourages incorporation of wellness into daily living.
Grades: 9
Chetek

Social Issues
Course outcomes include SCANS competencies.
Grades: 12
Ashland

Technology Education

Communication Technology
Students receive a foundation in technology to use today and in the future through the topics of optic, audio, and video communication. Students are involved in hands-on applications.
Grades: 11, 12
Cameron

Cabinetmaking
Students manufacture and design furniture.
Grades: 10, 11, 12
Luck

Construction
Grades: 9, 10, 11, 12
Drummond

Manufacturing Systems
Class designs, develops, produces, and markets a product for profit. Possible oxyacetylene products include step ladders, flower boxes, picnic tables and benches.
Grades: 9, 10, 11, 12
Drummond

Power and Energy
Students explore the areas of hydraulics, pneumatics, electricity, and internal combustion engines (gas and diesel). Emphasizes input, control, transmission, and output of power. Students contract time for projects in power related areas.
Grades:
Glidden

Applied Courses for UW System Credit

Many Wisconsin high schools are teaching whole courses or units of curriculum from the Center for Occupational Research and Development (CORD). The UW System institutions recognize applied courses are a valuable part of the high school curriculum that should enhance student's admission to any UW campus or center. Principles of Technology, Applied Mathematics I and II and Applied Biology/Chemistry courses are accepted toward admission at each of the schools. These courses use CORD curriculum which teach concepts in contextual settings where the discipline is experienced in a practical way. The CORD course must be taught in its entirety in order to qualify.

Principles of Technology is a two year program applying physics principles to technological situations and concentrating on the use of physics formulas in the workplace rather than on their derivation and manipulation. Students work in lab settings using modern workplace technology.

Applied Mathematics teaches algebra and geometry concepts in context, in occupational settings. Students work in cooperative teams, participate in laboratory activities and other hands on activities that make mathematics concepts practical and relevant.

Applied Biology/Chemistry teaches science in context through issues and topics surrounding work, home, society and the environment. Students work in cooperative teams, participate in laboratory-centered, hands-on activities that make science concepts practical and relevant.

If you have questions regarding these applied courses being used for admission, please contact the Admissions Office at the individual institutions.

The following charts indicate the variations in requirements from institution to institution.

Principles of Technology *

Physics or Phys/Gen Sci. = Univ. Core Science Unit	Physics	Physical/ General Science	Other Elective
UW-Centers	B	A	
UW-Eau Claire		A	E
UW-Green Bay		B	
UW-La Crosse	B	A	
UW-Madison	B		
UW-Milwaukee	B		
UW-Oshkosh	B		A
UW-Parkside	B	A	
UW-Platteville		B	
UW-River Falls	B		
UW-Stevens Point	B		
UW-Stout	B	A	
UW-Superior	B	A	
UW-Whitewater		B	

*Principles of Technology is a two-year sequence
A = One credit (unit) is given if the course is taken for one year.
B = One credit (unit) is given if the course is taken for two years.
C = One elective credit (unit) is given for the second year of the course.

Applied Mathematics I & II

Algebra I or Gen Math = Univ. Core Math Unit	Algebra I	General Math	Other Elective
UW-Centers	C		
UW-Eau Claire	C		
UW-Green Bay	B		
UW-La Crosse	B		A
UW-Madison	C		B
UW-Milwaukee	C		B
UW-Oshkosh	C		
UW-Parkside	B		A
UW-Platteville	C		
UW-River Falls	C		
UW-Stevens Point	C		
UW-Stout	C		A
UW-Superior	C		B
UW-Whitewater	C		

A = One credit (unit) is given for Applied Math I.
B = One credit (unit) is given for the combination of Applied Math I & II.
C = Students who complete Applied Math II, geometry and advanced algebra may be viewed as satisfying the college preparatory admissions requirement in math.

Applied Biology/Chemistry

As developed by the Center for Occupational Research and Development (CORD)

	Biology	Natural Science	Elective
UW-Centers		B	
UW-Eau Claire	A	C	
UW-Green Bay		B	
UW-La Crosse	A		Elective if only one year completed
UW-Madison		B	
UW-Milwaukee		B	
UW-Oshkosh		B	Elective if only one year completed
UW-Parkside		C, D	
UW-Platteville	A		
UW-River Falls	A		
UW-Stevens Point		B	
UW-Stout		D	
UW-Superior	A		Elective if only one year completed
UW-Whitewater	A	C	

A = One credit (unit) applied to the Natural Science Biology requirement if taken for two years.
B = One credit (unit) applied to the Natural Science requirement if taken for two years.
C = One credit (unit) applied to the Natural Science requirement if taken for one year.
D = Two credits (units) applied to the Natural Science requirement if taken for two years.

11/7/97

Youth Apprenticeship Curricula

Wisconsin Youth Apprenticeship Course Descriptions

Auto Collision Repair

Entry Level Basics for Auto Collision Repair

Introduces and gives a foundation of the automotive collision industry. Students learn basic safety practices, refinishing and detailing after refinishing.

Refinishing Trim

Students have experience in trim and hardware, moveable glass and restoring corrosion protection

Panel Preparation and Repair

Students learn panel preparation, panel replacement and alignment, metal straightening, use of body fillers and MIG welding.

Structural Analysis and Mechanical Repair

Students learn to analyze and estimate damage, make repair decisions, stationary glass replacement and cooling systems.

Automotive Technology

Automotive Servicing Orientation-Electrical / Electronic Systems

This course prepares students to perform the skills encountered when a technician services automobiles and light trucks. Students develop skills in metal work, hand tools, power tools, fastener usage, primary wire repair and engine maintenance. The student also will apply electrical and electronic fundamentals to the related service and testing of the automotive battery, starting and lighting systems.

Suspension and Steering I / Engine Performance I

The course provides the student with the skills required to inspect, service and replace suspension and manual steering components. Introduction to engine operating principles, the engine support systems and emissions control are included.

Brake Systems I / Suspension and Steering II

The module provides students with the skills required to inspect, service and replace brake system components. Students learn to service, repair and diagnose power assisted steering and electronic controlled suspension systems.

Brake Systems II / Engine Performance II

Students apply and improve skills performed in Brake Systems I and Engine Performance I. Students enhance their diagnosis, repair and service skills.

Biotechnology

Introduction to Biotechnology / Basic Laboratory Skills and Lab Skills II (2 semesters)

Students are introduced to the history of biotechnology. They study safe laboratory practices, how to prepare solutions and buffers, practice electrophoresis and examine the structure and function of DNA and genetic engineering.

Lab Skills III and IV (2 semesters)

Students build on previous knowledge by learning about advanced nucleic acid, protein, immunological and tissue culture techniques.

Drafting and Design—Principles of Engineering

Fundamentals of Drafting

Students develop the drawing techniques necessary for drafting, design and other engineering related occupations. Skills in linework, instrument use and drawing layout will be developed.

Computer Aided Design

Student knowledge of geometric construction and principles of drafting are applied to CAD concepts. Students will be required to prepare multi-view orthographic projection drawings that are dimensioned and annotated.

Engineering Graphics

This course covers the various aspects of the design process where engineering graphics is used. Descriptive geometry and construction drawing will be emphasized.

Principles of Engineering

This is a hands-on, laboratory-based course that allows students to work on real life case studies. Students are exposed to team problem solving, concurrent engineering, modeling, ethics and technology/society interactions.

Drafting and Design—Mechanical Design

Fundamentals of Drafting

Refer to Drafting and Design--Principles of Engineering, Fundamentals of Drafting

Computer Aided Design

Refer to Drafting and Design--Principles of Engineering, Computer Aided Design

Engineering Graphics

This course covers the various aspects of the design process where engineering graphics is used. Topics such as descriptive geometry and construction drawing will be emphasized.

Manufacturing Processes I

Students are introduced to theory and hands-on manufacturing applications. The main components include instruction and basic knowledge of hot and cold processes manufacturing considerations. It primarily utilizes the metals manufacturing area.

Drafting and Design—Architectural Design

Fundamentals of Drafting

Refer to Drafting and Design--Principles of Engineering, Fundamentals of Drafting

Computer Aided Design

Refer to Drafting and Design--Principles of Engineering, Computer Aided Design

Architectural Construction Documentation

Skills and knowledge will be developed in the interpretation of construction documents and production of architectural construction documents using computer drafting programs.

Materials and Methods of Construction

The course provides an overview of the design and construction process and the skills and knowledge required to produce the documents needed for building construction.

Financial Services

Customer Service: Teller Functions

An overview of teller operations is introduced. Some of the topics studied include processing incoming mail, customer account activities, use of filing systems and technical devices and applying customer service principles.

Customer Service: Account Services

Students become acquainted with checking and savings products, understanding of credit cards and account activities.

Consumer Lending

The course includes various forms of credit, consumer and commercial loan policies, legal regulations, documentation and use of internal credit records.

Operations And Extended Customer Services

Students study the functions of the Federal Reserve System, the relationship between the economy and depository institutions and how these factors influence operations of depository institutions.

Health Services

Health Facility Operations and Fundamental Client Care

This course provides an opportunity to learn general facility policies and procedures, safety and universal precautions, introductory health office skills, basic equipment use, communications and interpersonal skills, and fundamental client care skills. Basic related anatomy and physiology and relevant terminology and abbreviations are also included.

Direct Hands-On Client Care

This course provides an opportunity to learn additional fundamental client care skills, invasive client care skills, CPR, first aid and documentation skills and record keeping. The person will receive a "Certified Nursing Assistant" certification upon satisfactory completion of the Wisconsin State certification requirements.

Therapeutic Services

This course provides an opportunity to learn performance of nonclient duties related to various therapies, client handling skills, setting up clients for treatments, assisting nonclass II Therapeutic agents and office documentation skills related toTherapies.

Diagnostic Services

The course provides an opportunity to learn performance of nonclient duties related to the various diagnostic areas, client handling skills, assistance in setting up clients for diagnostic procedures, and office documentation skills related to the diagnostic procedures.

Hotel/Motel

Principles of Hospitality

The student is introduced to the origin, development, current scope and future outlook of the hospitality field. Social and corporate etiquette also are addressed.

Front of the House Lodging Operations

Areas of concentration are reservations, registration, concierge and bell staff.

Back of House Lodging Operations

Topics include maintenance, housekeeping (including scheduling and inventory procedures) and food service skills as well as supervisory techniques.

Ancillary Lodging Operations

Students learn about the departments that serve to direct and support staff operations. opics concerning the executive committee, back office operations, and the Manager On Duty are addressed. Marketing principles and human relations are stressed.

Insurance

Principles of Insurance

Students learn the basic aspects of the major lines of insurance coverage: life, health, auto and home.

Principles of Property and Liability Insurance

This course focuses on the property and liability lines of insurance coverage. Students will learn the basic components of Homeowners and Personal Automobile Policies.

Principles of Life and Health Insurance

Students will learn the basic elements of life, health and disability plans--both individual and group. The students will discuss various retirement plans.

Customer Service

This course helps establish the proper techniques and practices in working with the customer. It teaches how to conduct various forms of customer service research and discusses how systems support customer service within the workplace.

Manufacturing—Machining

Manufacturing Fundamentals

Introduces students to the concepts and skills involved in the manufacturing trade. The content will include safety, applied shop math, measuring and layout, interpreting drawings and blueprints, hand tools and an introduction to machine tools.

Machine Tool Concepts

The course introduces entry-level skills in manufacturing occupations. The content of this course includes the use of hand tools and milling operations to machine a workpiece.

Advanced Machining Concepts

The course is a continuation of the machining concepts necessary to provide entry-level skills in the machining trade.

Introduction to CNC and Manufacturing Careers

Exploratory experiences in machining careers is provided. The content includes computer-controlled applications, an introduction to mold making, metal stamping and die casting and basic machine maintenance.

Manufacturing—Production Technician

Manufacturing Fundamentals

Introduces students to manufacturing environments and occupations. Explores safe work habits and practices. Develops blueprint skills.

Manufacturing Processes I

Students explore the manufacturing processes of casting, forging, heat treating and plastic molding. Learners will gain theoretical background necessary to perform effectively at manufacturing worksites that utilize hot processes.

Manufacturing Processes II

Students explore welding, brazing, soldering, assembly, fabrication and coating processes as well as conventional, automatic and computerized machining.

Organizational Systems and Quality

Students explore the structure and function of administrative and support departments in the manufacturing organization. The course addresses the impact of safety regulations and quality initiative on the manufacturing environment.

Printing

Introduction to the Printing Industry

The course provides an overview of the printing industry, its basic operations, safety practices, reproduction photography, image assembly, platemaking, duplicator operations and job application skills. It requires the production of simple printed materials from concept through bindery operations.

Electronic Imaging / Publishing

Provides an overview of electronic publishing including typography, design principles and color theory. Students perform page layout and graphics production operations on a variety of printed products using desktop publishing.

Image Assembly

Provides an overview of the image assembly for the four major printing areas. Students will assemble images for printing jobs to be used for screen printing, offset printing, gravure and flexo.

Students enroll in one of the Image Transfer courses. Each course provides an overview of the process as it relates to the specific field.

Image Transfer--Offset

Image Transfer--Screen

Image Transfer-Flexography

Image Transfer--Roto Gravure

Tourism

Customer Service

Introduction to the seven functional areas of tourism: customer service, marketing, sales, public relations, human resources, management operations, and fiscal services.

Human Resources

Introduction to human resources and public relations. Customer service and marketing are developed with higher-level competencies.

Management Operations

Introduction to the fiscal services aspects of the industry.

Special Projects

This course emphasizes the production and completion of the special project report.

Youth Apprenticeship Programs by High School 1996-1997

Auto Collision Repair

Appleton: North
Boscobel
Cuba City
Darlington
Dodgeville
Freedom
Hortonville
Howards Grove
Iowa Grant (Livingston)
Ithaca
Kimberly
Lancaster
Neenah
New Holstein
Pecatonica
Platteville
Pulaski
River Valley (Spring Green)
Seymour
Sheboygan: South
Southwestern (Hazel Green)
Wrightstown

Automotive Technology

Abbotsford
Appleton: North
Appleton: West
Ashwaubenon
Bangor
Baraboo
Beaver Dam
Blair-Taylor
Bradford
Brookwood (Norwalk-Ontario)
Clintonville
DC Everest
DeForest
Denmark
DePere
DeSoto
Freedom
Gibraltar
Green Bay: East
Green Bay: Preble
Green Bay: Southwest
Greenwood
Holmen
Hortonville
Howards Grove
Hudson
Kenosha
Lincoln (Manitowoc)
Little Chute
LaCrosse: Central
LaCrosse: Logan
Madison: West
Marion
Marshfield
McFarland
Menasha
Menomonee Falls
Middleton
Milton
Milwaukee: Pulaski
Milwaukee: Vincent
Mishicot
Montello
Mt. Horeb
Mukwonago
Neenah
New Holstein
Onalaska
Oregon
Pardeeville
Peshtigo
Plymouth
Racine: Horlick
Racine: Case
Racine: Washington Park
Reedsburg
Reedsville
Rhinelander
Southern Door (Brussels)
Seymour
Shawano
Sheboygan: South
Stevens Point
Stoughton
Sturgeon Bay
Tomah
Turner (Portage)
Valders
Washington (Two Rivers)
Watertown
Waunakee
Wausau: East
Wausau: West
West Salem
Westby
Westfield
Whitewater
Wisconsin Dells

Biotechnology

Baraboo
Deerfield
DeForest
Marshall
Milwaukee: Rufus King
Monona Grove
Oregon
Stoughton
Sun Prairie
Waunakee

Drafting and Design—Architectural Design

Janesville: Parker
Milwaukee: Tech
Oregon
Stevens Point

Drafting and Design—Principles of Engineering

Beloit: Memorial
Eau Claire: Memorial
Eau Claire: North
Goodrich (Fond du Lac)
Grafton
Port Washington
Stevens Point

Drafting and Design—Mechanical Design

Clinton
Howards Grove
Lincoln (Manitowoc)
Milwaukee: Tech
Michicot
Sheboygan: North

Tourism

Bonduel
Menominee

Financial Services

Abbotsford
Albany
Amery
Antigo
Athens
Bangor
Barneveld
Black River Falls
Blair-Taylor
Bonduel
Brodhead
Brookfield Central (Elmbrook)
Brookfield East (Elmbrook)
Brown Deer
Cambridge
Crandon
Crivitz
Cuba City
Darlington
Deerfield
DePere: East
DeSoto
Dodgeville
Edgar
Fond du Lac: East
Franklin
Germantown
Glenwood City
Grafton
Grantsburg
Green Bay: East
Green Bay: Preble
Green Bay: Southwest
Greendale
Greenfield
Greenwood
Hamilton
Hartford
Hilbert
Holmen
Horace Mann (Fond du Lac)
Hortonville
Howards Grove
Hudson
Independence
Kaukauna
Kewaskum
LaCrosse: Central
LaCrosse: Logan
Lancaster
Lincoln (Wisconsin Rapids)
Lincoln (Manitowoc)
Loyal
Luxemburg-Casco
Madison: Memorial
Marinette
Marion
Marshfield
Medford
Menasha
Menomonee Falls
Merrill
Middleton
Milwaukee: Riverside
Mineral Point
Monroe
Monticello
Mosinee
Mukwonago
New Holstein
Northland Pines (Eagle River)
Onalaska
Oregon
Oshkosh: West
Peshtigo
Platteville
Plymouth
Port Washington
Prairie du Chien
Prescott
Random Lake
Reedsville
Rib Lake
River Ridge (Patch Grove)
South Milwaukee
Seymour
Shawano
Sheboygan: South
Sparta
Spring Valley
St. Croix
Stevens Point
Stratford
Sun Prairie
Tomah
Viroqua
West Salem
Wausau: East
Wausau: West
Wauwatosa: West
West Bend: East
West Bend: West
Westby
Whitnall
Wittenberg-Birnamwood

Health

Algoma
Appleton: West
Argyle
Ashwaubenon
Bonduel
Cedarburg
Chippewa Falls
Clinton
Cuba City
Darlington
DePere: West
Denmark
Dodgeville
Edgerton
Elkhart Lake
Elkhorn
Green Bay: Preble
Green Bay: West
Grafton
Hamilton-Sussex
Highland
Hortonville
Howards Grove
Iowa Grant
Kickapoo
Kimberly
Lake Geneva
Lancaster
Lincoln (Manitowoc)
Marion
Marshfield
McFarland
Medford
Menasha
Menominee
Menomonee Falls
Milton
Milwaukee: Hamilton
Mineral Point High
Monona Grove
Monroe
Neenah
New Holstein
Oak Creek
Oregon
Outagamie
Ozaukee
Park Falls
Platteville
Plymouth
Port Washington
Potosi
Prairie du Chien
Prentice
Racine: Horlick
Racine: Case
Racine: Washington Park
Random Lake
Reedsville
Rhinelander
Rib Lake
River Ridge (Patch Grove)
Sauk Prairie
Sevastopol
Seymour
Shawano
Sheboygan: North
Sheboygan: South
South Milwaukee
Southern Door (Brussels)
Southwestern (Hazel Green)
Sturgeon Bay
Tomahawk
Valders
Watertown
Waukesha: West
Waukesha: South
Waukesha: North
Wauwatosa: East
Wauwatosa: West
Wittenberg-Birnamwood

Hotel/Motel

Ashwaubenon
Bayfield
Delavan-Darien
Denmark
Gibraltar
Green Bay: East
Hudson
Lake Geneva
Lakeland Union (Minocqua)
South Milwaukee
Seymour
Sheboygan: North
Sheboygan: South
St. Croix
Superior
Washington (Two Rivers)
Williams Bay

Manufacturing—Machining

- Amery
- Antigo
- Arrowhead
- Badger
- Beaver Dam
- Big Foot
- Black River Falls
- Campbellsport
- Cedarburg
- Clinton
- Denmark
- DePere
- Eau Claire: Memorial
- Eau Claire: North
- Edgerton
- Germantown
- Goodrich (Fond du Lac)
- Grafton
- Hamilton-Sussex
- Homestead (Mequon-Thiensville)
- Horicon
- Howards Grove
- Hudson
- Kiel
- Lincoln (Manitowoc)
- Lomira
- Mayville
- Menomonee Falls
- Milwaukee: Custer
- Milwaukee: Tech
- Mishicot
- Mukwonago
- New Holstein
- Niagara
- Oakfield
- Oconomowoc
- Pewaukee
- Port Washington
- Prentice
- Random Lake
- Sheboygan Falls
- Waukesha: South
- Waukesha: West
- Wauwatosa: West
- West Bend: East
- West Bend: West
- Williams Bay

Manufacturing—Production Technician

- Baldwin-Woodville
- Bayport
- Beaver Dam
- Bowler
- Germantown
- Horicon
- Hudson
- Menominee
- Mosinee
- Shawano
- Sturgeon Bay
- Watertown
- West Bend: West

Printing

- Appleton: West
- Beaver Dam
- Bonduel
- Campbellsport
- Clintonville
- Delavan-Darien
- Denmark
- Eisenhower (New Berlin)
- Elkhorn
- Green Bay: West
- Hamilton-Sussex
- Hartford
- Hortonville
- Kaukauna
- Kimberly
- Lomira
- McFarland
- Menasha
- Menominee
- Merrill
- Milwaukee: Hamilton
- Milwaukee: Tech
- Monona Grove
- Neenah
- New Berlin
- Oakfield
- Oregon
- Random Lake
- Sevastopol
- Slinger
- Southern Door (Brussels)
- Stoughton
- Sturgeon Bay
- Sun Prairie
- Waterloo
- Waukesha: North
- Waukesha: West
- Waunakee
- Wauwatosa: East
- Wauwatosa: West
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HIGH SCHOOL BLOCK SCHEDULING
June 1997

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4	Alma		115	Bert Plucker	S1618 State Road 35	Alma	54610
11	Amery		600	Dean Sanders	555 Minneapolis Ave. S.	Amery	54001
1	Arrowhead	South	1648	Gregg Wieczorek	700 North Ave.	Hartland	53029
7	Ashwaubenon		970	Don Maslinski	2391 Ridge Rd.	Green Bay	54304
10	Augusta		340	Ken Stahl	E19320 Bartig Rd.	Augusta	54722
2	Beloit	Memorial	1395	James Fitzpatrick	1225 4th St.	Beloit	53511
11	Birchwood		110	John Osterloth	300 S. Wilson St.	Birchwood	54819
3	Boscobel		310	Pat Roseliep	300 Brindley St.	Boscobel	53805
11	Boyceville		430	Robert Plaehn	161 East St.	Boyceville	54725
2	Burlington		1179	Jose Martinez	225 Robert St.	Burlington	53105
6	Campbellsport		650	Aida Mityas	114 W. Sheboygan Street	Campbellsport	53010
11	Chetek		400	Roger Wistrcill	1001 Knapp St.	Chetek	54728
11	Clayton		110	Ed Langham	221 Prentice St.	Clayton	54004
5	Columbus		419	Dan Rikli	1164 Farnham St.	Columbus	53925
4	DeSoto		300	Martin Kirchoff	600 Main Street	DeSOto	54624
3	Dodgeville		400	Jeff Athey	912 W. Chapel	Dodgeville	53533
9	Edgar		248	Mark Lacke	203 E. Birch St.	Edgar	54426
2	Edgerton		520	Jeff Gibson	200 Elm High Dr.	Edgerton	53534
10	Eleva Strum	Central	185	Jim Tocko	Rt. 1, Box 500	Strum	54770
11	Elk Mound		287	Jay Silvernail	405 University St.	Elk Mound	54739
11	Ellsworth		640	Chuck Buckel	333 W. Hillcrest	Ellsworth	54011
2	Evansville		382	Bob Scott	420 S. 4th St.	Evansville	53536
4	Galesville-Ettrick-Trempeleau (97-8)		450	Craig Gerlach	PO Box 4000	Galesville	54630
10	Gilmanton		119	Peter Klas	PO Box 28	Gilmanton	54743
12	Glidden		108	Jim Dohm	370 S. Grant St.	Glidden	54527
11	Grantsburg		310	Joni Burgin	480 E. James Ave.	Grantsburg	54840
1	Hamilton		1026	David Furrer	W220 N6151 Townline Road	Sussex	53089
12	Hayward		581	William Mestelle	PO Box 860	Hayward	54843
4	Holmen		840	Bernie Ferry	1001 McHugh Rd	Holmen	54636
7	Howards Grove		315	Chris Ligocki	401 Audubon Rd.	Howards Grove	53083
4	Independence		162	Kevin Larson	108 6th St.	Independence	54747
2	Johnson Creek		167	Steve Patz	111 South Street	Johnson Creek	53038
6	Kimberly		670	Mike Rietveld	5455 S. John St.	Kimberly	54136
4	LaCrosse	Central	1300	Thomas Barth	1801 Lusey Blvd. S	LaCrosse	54601
2	Lake Geneva	Badger	818	Mark Pienkos	220 South St.	Lake Geneva	53147
8	Laona		120	Robert Marsicek	PO Box 57	Laona	54541
5	Lodi		458	Elaine Plank	101 School Street	Lodi	53555
2	Madison (97-8)	LaFollette	1456	Mike Meissen	702 Pflaum Road	Madison	53716
5	Mauston		513	Bill Bomber	508 Grayside Ave.	Mauston	53948
2	McFarland		528	Jim Hickey	5101 Farwell St.	McFarland	53558
8	Menominee Indian		243	Wendell Waukau	PO Box 850	Keshena	54135
11	Menomonie		955	Lee Benish	1715 5th St. W.	Menomonie	54751
1	Milwaukee	Hamilton	1900	Michael Czerwinski	6215 W. Warnimont Ave.	Milwaukee	53220
1	Milwaukee	North	850	Archie Ivy	1011 W. Center St.	Milwaukee	53206
9	Mosinee		650	James DeBroux	1000 High St.	Mosinee	54455

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3	North Crawford		352	Dan Davies	Rt. 1, Box 1589	Soldiers Grove	54655
6	North Fond du Lac		391	Bob Kent	225 McKinley Street	North Fond du Lace	54937
11	Pepin		120	Greg Danke	510 Pine St.	Pepin	54759
1	Pewaukee		492	Hollis Herrell	510 Lake St.	Pewaukee	53072
5	Portage (97-8)		940	Steve Willson	2505 New Pinery Rd.	Portage	53901
3	Prairie du Chien		447	Duane Bark	800 E. Crawford	Prairie du Chien	53821
7	Reedsville		327	Bill Dietz	340 Manitowoc St.	Reedsville	54230
9	Rhinelander		1100	Jim Gehrke	665 Coolidge Ave.	Rhinelander	54501
11	Rice Lake		1025	Bob Fisher	30 S. Wisconsin St.	Rice Lake	54868
8	Shawano-Gresham	Gresham High	105	Robert Klopke	501 E. Schabow St.	Gresham	54128
7	Sheboygan Falls (97-8)		600	Tom Grams	220 Amherst	Sheboygan Falls	53085
11	Shell Lake		216	Terry Reynolds	RR1, Box 267	Shell Lake	54871
11	Somerset		293	Randy Rosburg	645 Sunrise Drive	Somerset	54025
12	South Shore		128	Kent Bergum	PO Box 40	Port Wing	54865
11	Spooner		627	Donald Hauck	500 College St.	Spooner	54801
7	Stockbridge		86	Bob Werley	PO Box 180	Stockbridge	53088
7	Sturgeon Bay		560	Robert Grimmer	1230 Michigan St.	Sturgeon Bay	54235
5	Tomorrow River (97-8)		370	Roger Stuart	357 N. Main Street	Amherst	54406
2	Union Grove UHS		590	Al Mollerskov	3433 S. Colony Avenue	Union Grove	53182
4	Viroqua		461	Ted Harris	100 Blackhawk Dr.	Viroqua	54665
7	Washington Island		40	Terry Crowley	RR1, Box 2	Washington Is.	54246
2	Waunakee		724	Brian Kersten	101 School Drive	Waunakee	53597
11	Webster		240	Paul Amundson	26428 Muskey Ave. S.	Webster	54893

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